

Pietro Peciccia

Architecture Portfolio

Personal details:

Experience

name: Pietro Peciccia

bio: made in Italy, 1986.
Attended Turin's Polytechnic and achieved a Bachelor in Architecture Sciences. My passion for travel, art discovery and inspiration by both vernacular and contemporary architecture led me to attend University and to work in the following countries: Italy, Spain, Indonesia, China and Hong Kong. My focus is on cultural, civic and mix-used projects.



residence: Hong Kong

m: (+852) 9314 4391

e: pietrusnimbus@gmail.com

[website](#)

Academic Background:

Polytechnic University of Torino, Italy
BArch_Science of Architecture | 2006 - 2010

Department of Architecture Gadjah Mada University_
Yogyakarta | 2010 - 2011

Superior Technical School of Architecture of Granada_Spain
Erasmus scholarship | 2007 - 2008

Employment:

ARCHITECT
Rmjim Red_Hong Kong | March 2018- current

Responsible for competition design and construction intent drawings. In charge of complex 3D models, hand sketches, conceptual diagrams, architectural drawings.

ARCHITECT
Zhubo Design Group_Shenzhen | Aug 2017-Feb 2018

Responsible for large Masterplan proposal and retail projects.

ARCHITECT
East China Architectural Design Institute_Shanghai | Nov 2014- Dec 2015

Assist in concept sketches, plans and 3D models for several educational projects, including a library and a primary school.

JUNIOR ARCHITECT
Small Large Architecture_ Shanghai | Aug 2012- Oct 2014

Support Chief Architect on several types of project, varying from competition designs for cultural buildings to preliminary designs for commercial and residential projects.

ASSISTANT ARCHITECT
Estudio de Arquitectura Monje & Asociados_Tenerife | Feb 2012-Jun 2012

Prepare construction drawing, 3D views, hand sketching instructed by the Chief Architect.

Talent

Accomplishment

Skills:

Conceptualization

Creative Thinking

Drawing

Visualization

Collaboration

Communication

Resourceful

Imagination

Attention to Detail

Software:

advanced in:

3dModelling - Rhinoceros, Grasshopper, Sketch Up.
2D drafting - CAD.
Architectural Rendering - Lumion.
Presentation - Indesign.
Visualization - Illustrator.
Photo editing - Photoshop.

Awards:

1st Place | RMJM RED | Deli R&D + Clubhouse | 2020

1st Place | RMJM RED | Ningbo Towers & Retail | 2020

1st Place | RMJM RED | Ningbo Mixed Used | 2019

1st Place | RMJM RED | Ningbo Fashion City Center | 2018

Best Small to Medium Building Project |
RMJM HK | Cafe Pavilion | 2018

Best Collaboration Project | RMJM HK / RMJM ISTANBUL
| Qingdao Waterfront Masterplan | 2018

Honorable mention | Sla Architecture | Wonders Information Headquarter | 2013

Research Exchange programme | LLP-Life-Long Learning Programme grant | 2010

Student Award in History of Modern Architecture | Politecnico of Turin | 2009

Year Exchange | Erasmus Programme | 2008

Languages:

Italian - Native

English - Excellent
Cambridge ielts certification ,+8 years international experiences

Spanish - Excellent
University of Language of Granada Advanced level
8.5/10

German - Fair
I am half German and I have been using since childhood.

Indonesian - Intermediate
Cultural Sciences Gadjah Mada University, Advanced Course

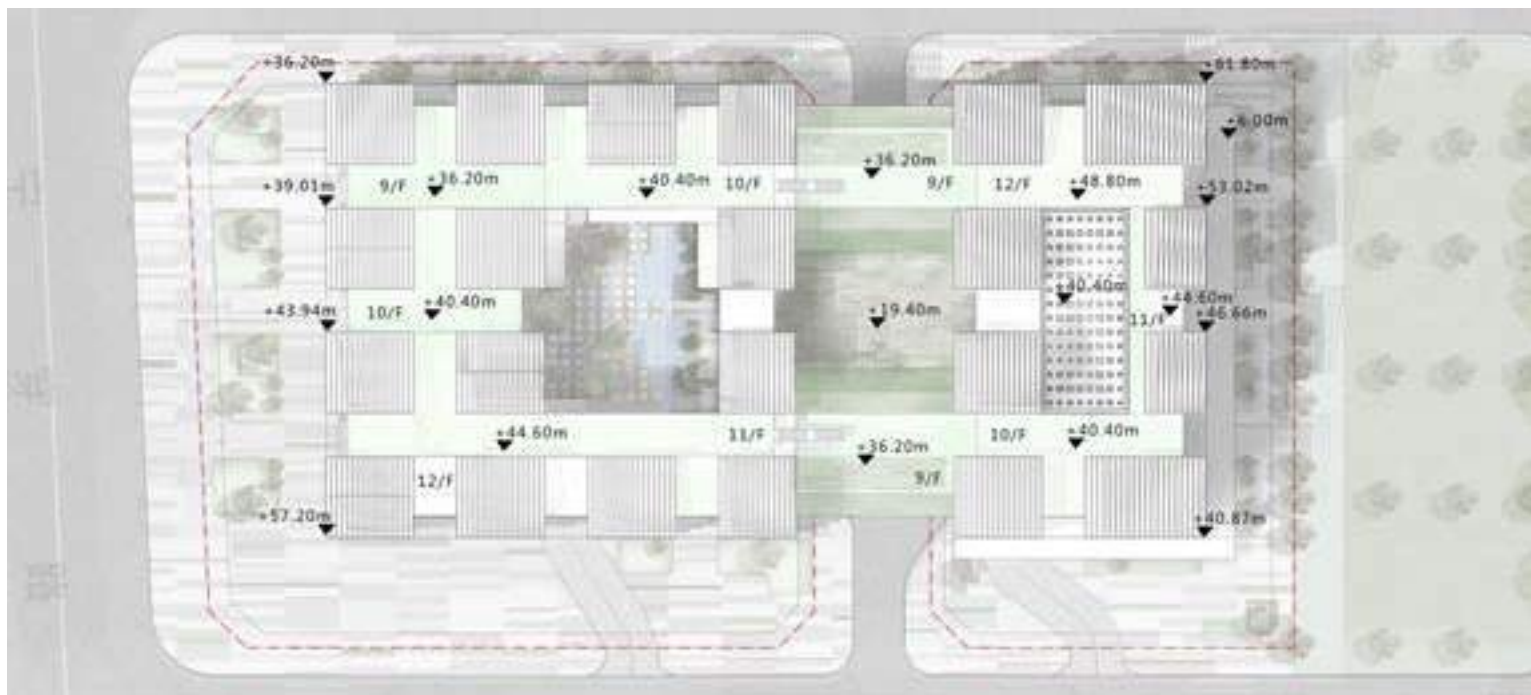
Chinese - Basic
Conversational level

Landmark Design Center

competition entry | first place | 2018
professional work | RMJM
50,000 sm

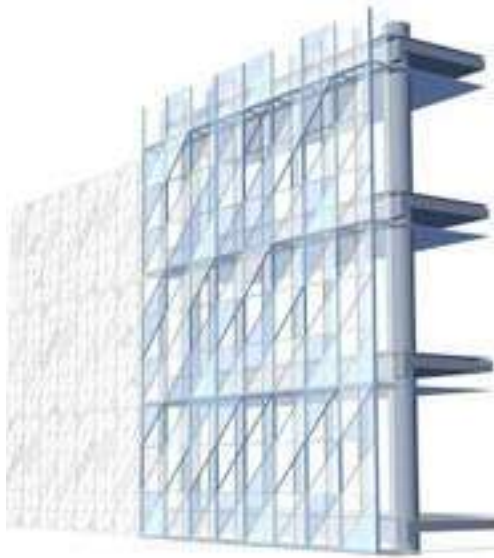
The Team was awarded after being selected among 5 international firms. The client appreciated our open-minded, unorthodox process and the flexibility of program (2). The selected scheme was an experiment in blending a rational planning framework system with a sculptural expressive form.

Concept, Plan, Design, Material Research and Visualization for multiple space.
Design and visualization of Main lobby and skylighy. Architectural Diagrams.
Facade Design from concept to DD
Video animation. [Video link](#)
Main Software: Cad, Rhino, Grasshopper, Lumion, Photoshop





CONCEPT



Background -

Rmjm was awarded after being selected among 5 international firms. The client appreciated our open minded, unorthodox process and the flexibility of program. The selected scheme was an experiment in blending a rational planning framework system with a sculptural expressive form.

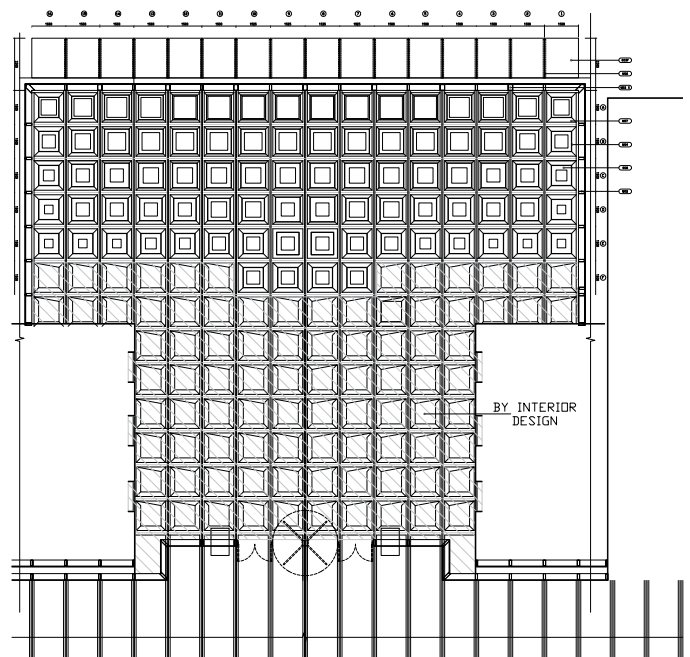
Brief -

The area is rich with innovative contemporary architecture, yet the height limit is only 60 m. The challenge is to generate a design center that is complementary yet remarkable in such context.

My Role -

Now under construction, I was involved from initial stage, preparing detailed case studies, massing concept, diagrams, design intent for facade, central courtyard roof model and video presentation.



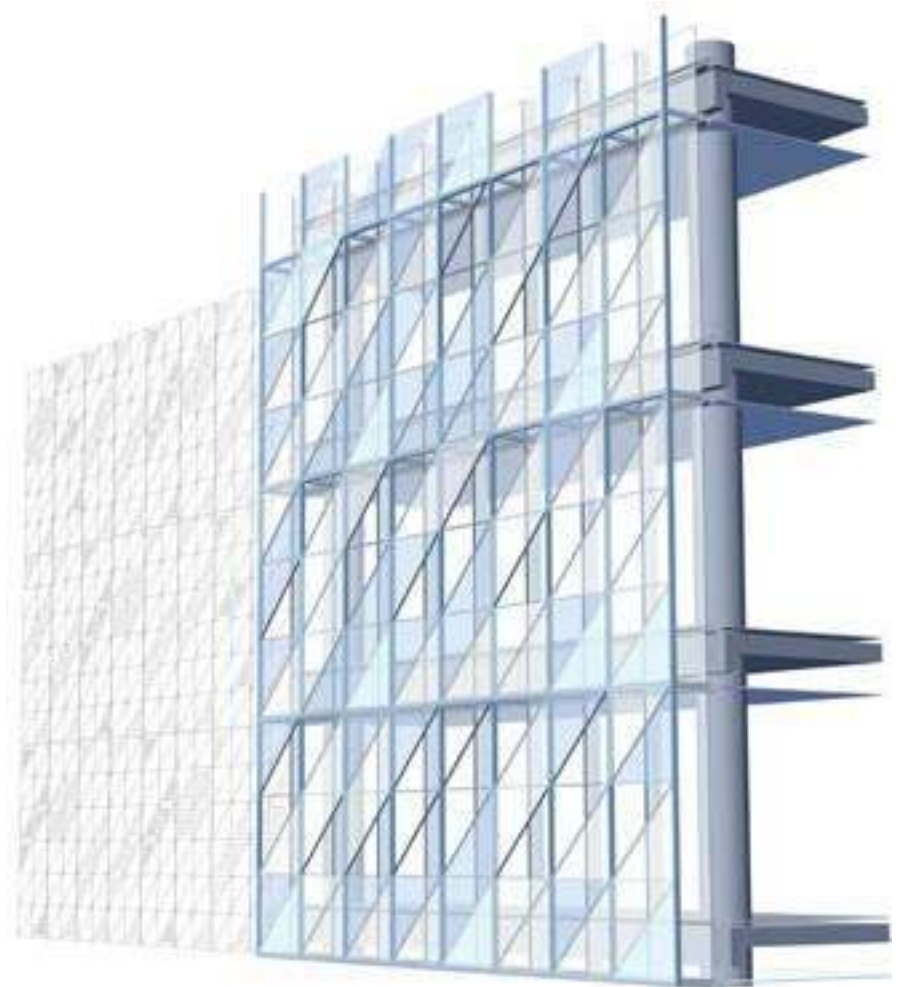


The area is rich with innovative contemporary architecture, yet the height limit is only 60 m. The challenge is to generate a design center that is complementary yet remarkable in such context. [web link](#)
 Now under construction, I was involved from initial stage, preparing detailed case studies, massing concept, diagrams, design intent for facade, central courtyard roof model, South and North Lobby and video presentation. 1. Young, dynamic and flexible interior space were requirements set by the competition brief. 3. lobby and r.c.p. drawings with material specifications. As The two buildings are separated by a road, the ceiling reflects the general idea of the Matrix and helps visually connecting the various spaces: North lobby, South lobby (that is the main entrance) Skylights and Open Garden on 2 level.



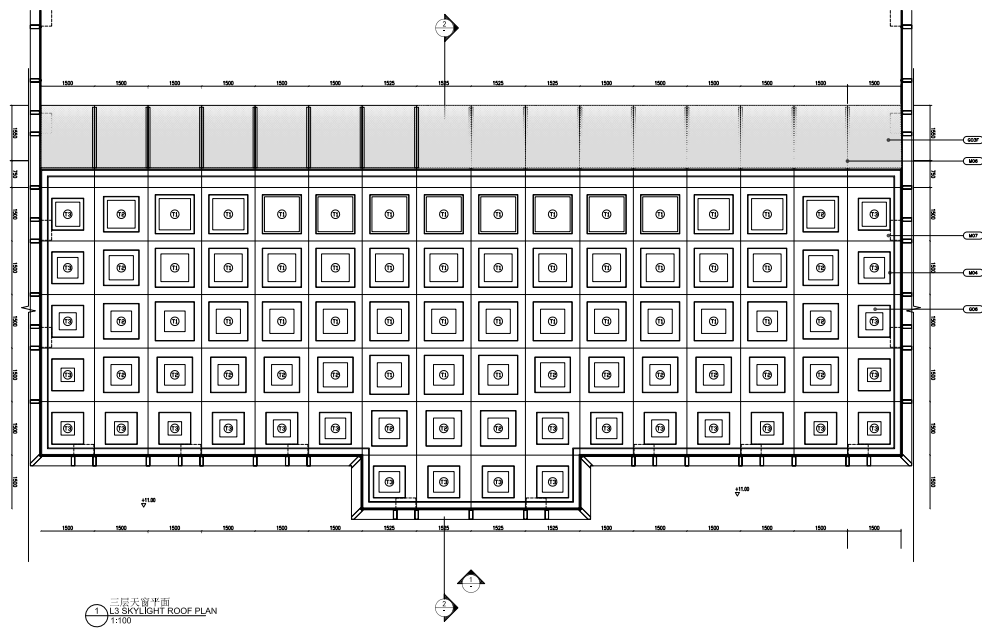
THE FACADE

The Facade design involved a significant number of proposals. As the intent was to create a veil that covered the whole building we opted to use a double skin facade where the second layer would be perforated mesh. In one of the most striking options the pattern is made of different colors and different perforation percentage for each mesh panel. I used Grasshopper to generate different spacing, panel dimensions as well as the pattern itself.





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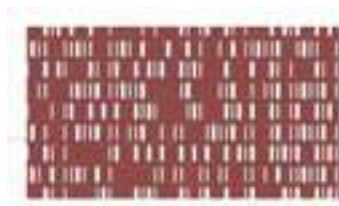
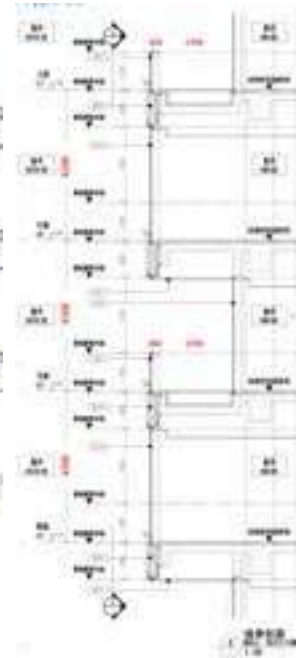
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1. South Courtyard and Skylights above South Lobby. Skylights were designed with the help of Grasshopper to visualize many different options. The openings change their size being wider at the center of the lobby, thus allowing more light in. The internal facades are made by a curtain wall with 1m perforated spandrel Red anodised that wraps around the volume.

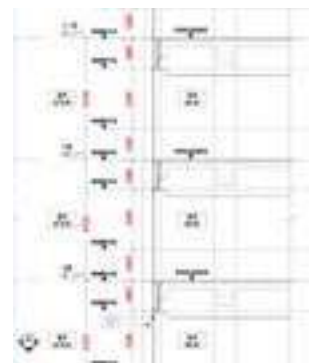
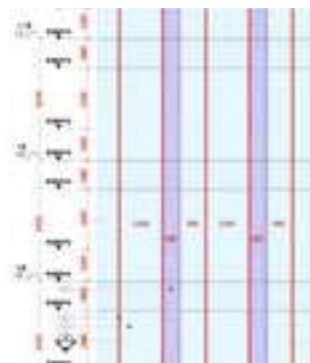
2. Skylights layout.

3. Reception area and main lobby perspective.

[Video link](#)



1



2

1. Interior Courtyard Design:
 - a. Courtyard perspective view
 - b. Wall 3d section
 - c. Wall section
 - d. Perforated Aluminium panel with custom pattern
2. Facade Design:
 - a. Facade 3d section
 - b. Facade Elements: Stainless Steel Mesh Panel, Red Anodised Aluminium fin, Horizontal louvers, Adjustable Bolt Connection
 - c. Facade Elevation
 - d. Facade Section



2

3

1. The initial idea was to wrap the the 2 building volumes with a mesh facade to visually unify them and at same time act as a sort of semitransparent dress. Due to cost issue the mesh was reduced to be used on the recessed slots so that the unifying idea could be maintained.
2. Construction began in the end of 2020, 2 years after the Team won the competition.
3. External facade: curtain wall with red anodised aluminum fins. The recess area there is covered by a mesh system and ceramic rods at the sides of it.

A M A Z E P E O P L E



Convention & Mixed-use

competition entry | first place | 2020
professional work | RMJM
300,000 sm

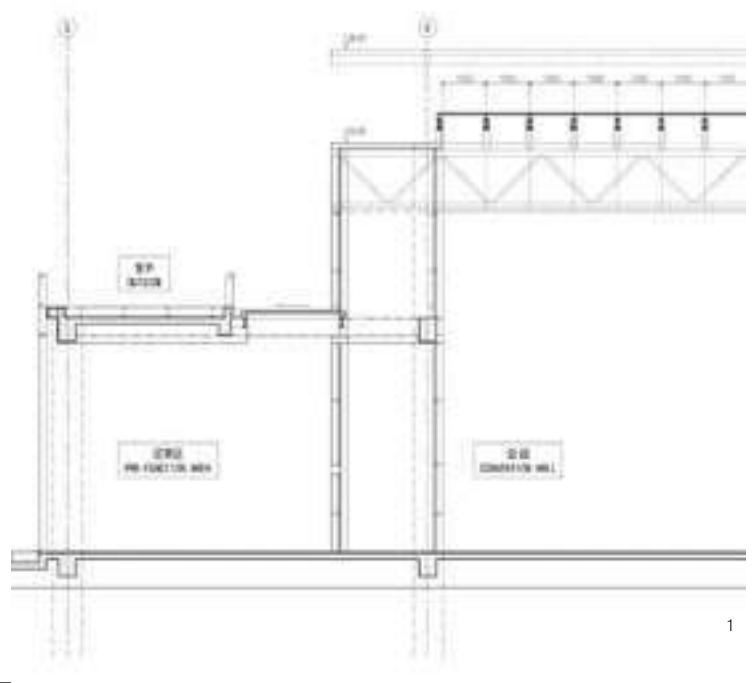
The site is located in a prime location of Ningbo. Connect in the City exhibition center(north) with the new CBD (south). The team scheme get the first place among 10 firms. Elevating the convention space was a key element of the proposal.

Concept, Plan, Design, Material Research and Visualization for multiple space.
Design and visualization of Convention Main lobby and Office tower lobby.
Facade Design, schematic, design development drawings.
Bridge Design, schematic, design development drawings.
Design of Interior spaces.
Main Software: Cad, Rhino, Grasshopper, Enscape, Lumion, Photoshop

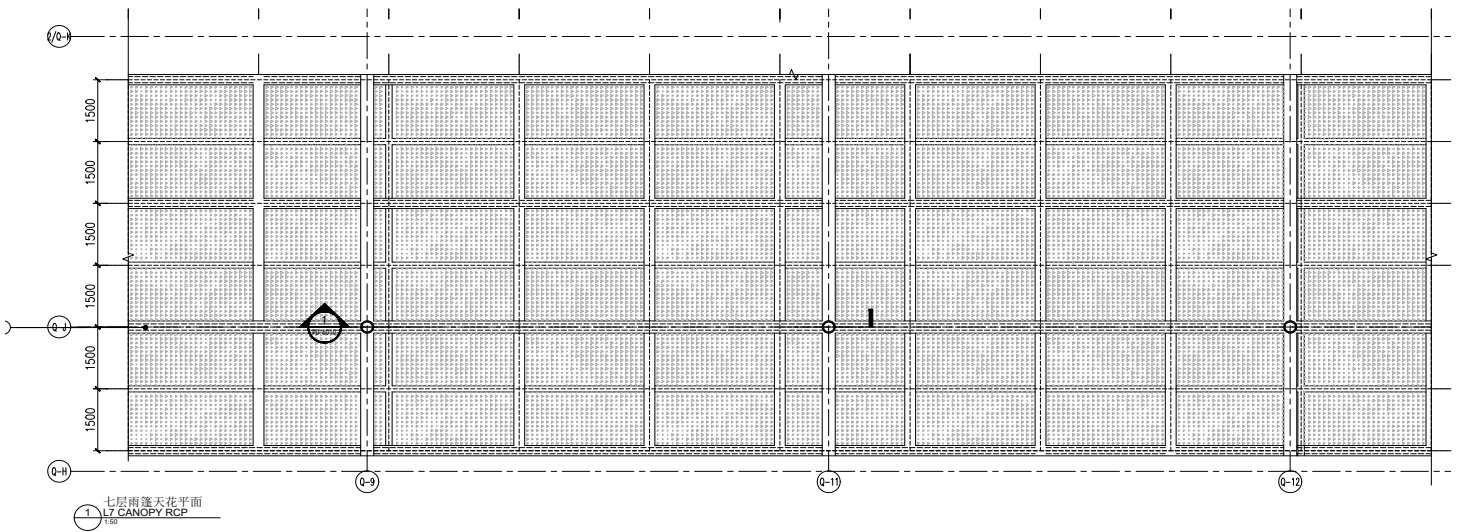




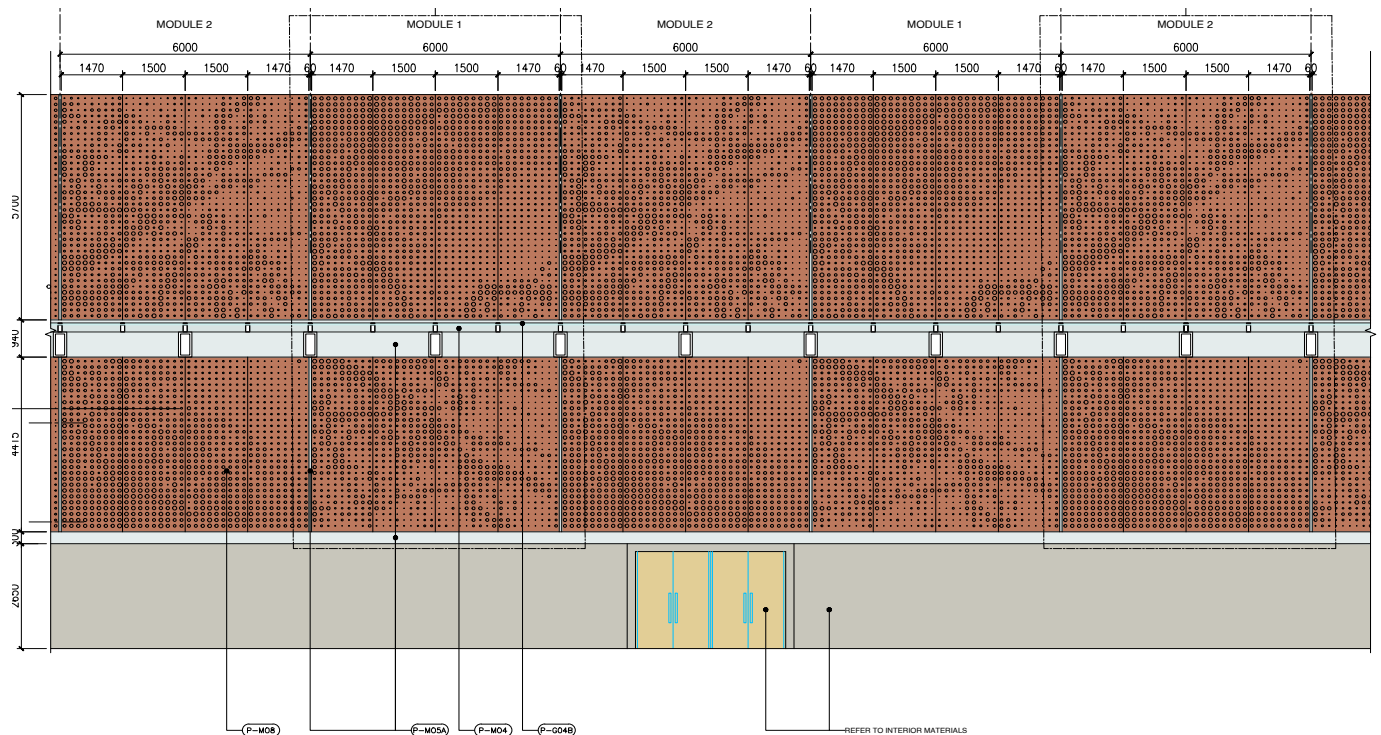
1a-c. Axonometric view of L2 and L5.
 1b. Views of physical model.
 2. Section through lobby and convention halls.
[Video link](#)



1



2



3

1. Section 1:50 and 3d view of convention hall wall and skylights
2. Exterior canopy : perforated aluminium and steel structure
3. Convention hall interior wall elevation : perforated copper perforation designed with Grasshopper Image sampler: blossoming concept



1



2

Interior Design:
 1.Convention hall Prefunction Space
 2.Convention Lobby Interior perspective view
 3.Tower 1 Office Lobby Interior perspective view
 1b.Convention Lobby plan
 3.Screen: 60units 3mm folded steel sheet gradually twisting from 0 (close) to 90 (open) degrees (sketch, Grasshopper definition) .



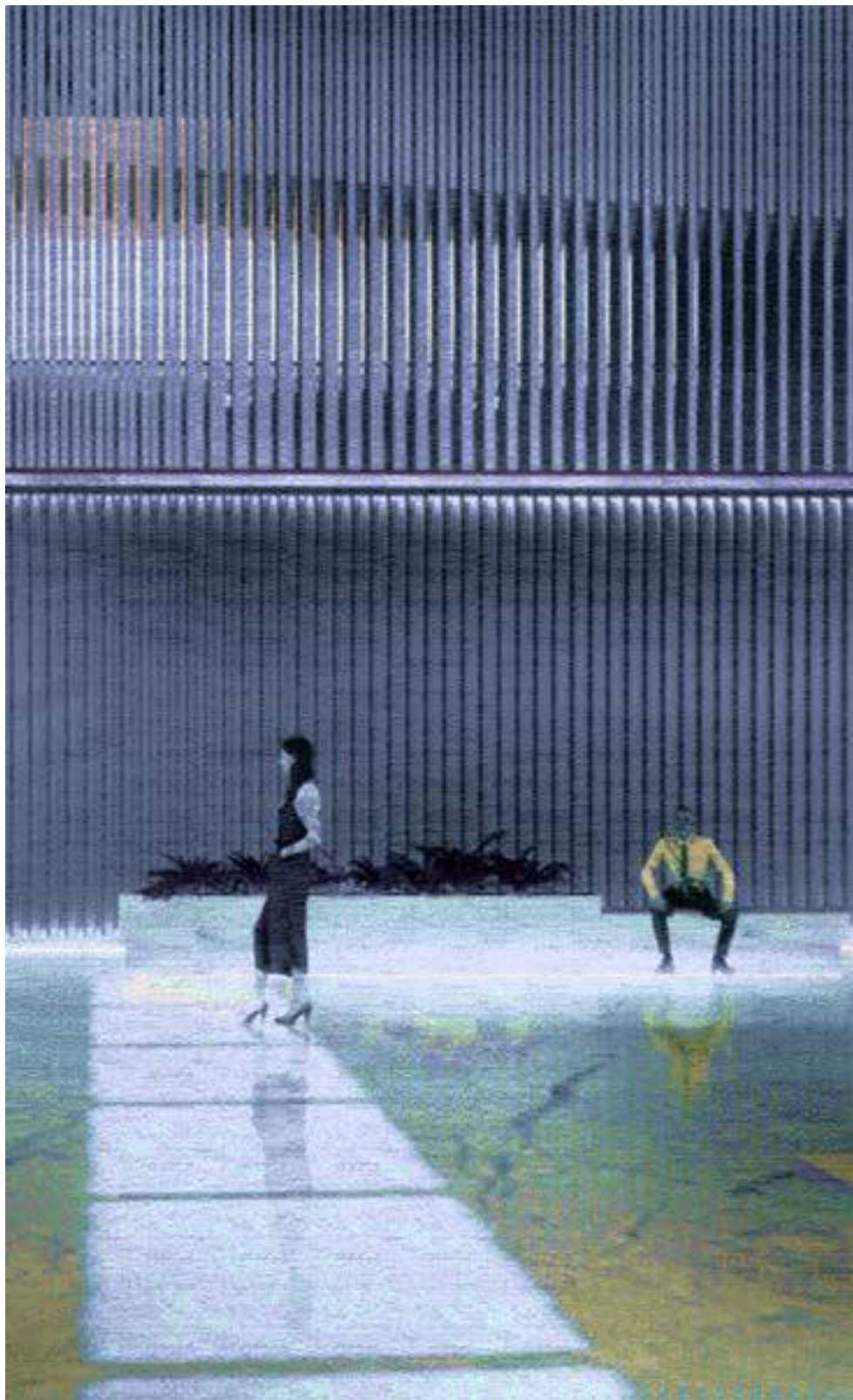
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Interior Design:
 1.Convention hall Prefunction Space
 2.Convention Lobby Interior perspective view
 3.Tower 1 Office Lobby Interior perspective view
 1b.Convention Lobby plan
 3.Screen: 60units 3mm folded steel sheet gradually twisting from 0 (close) to 90 (open) degrees (sketch, Grasshopper definition) .

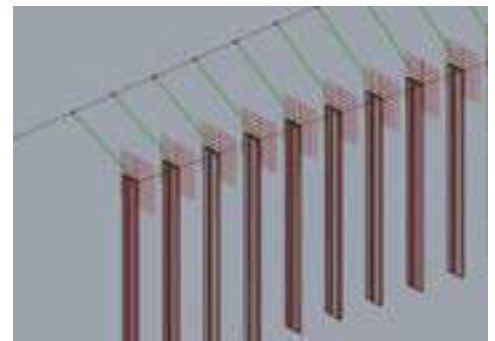
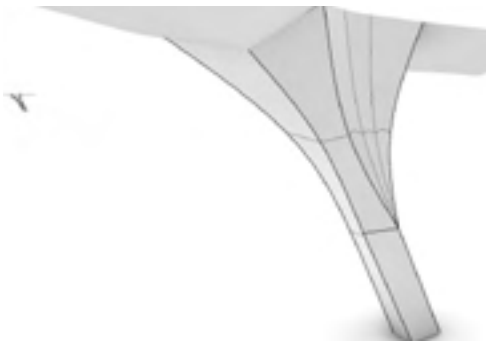
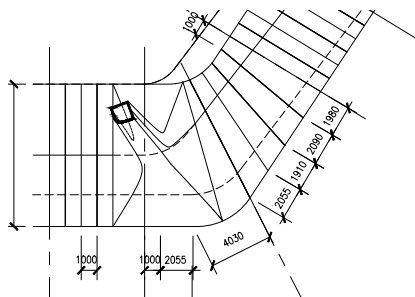
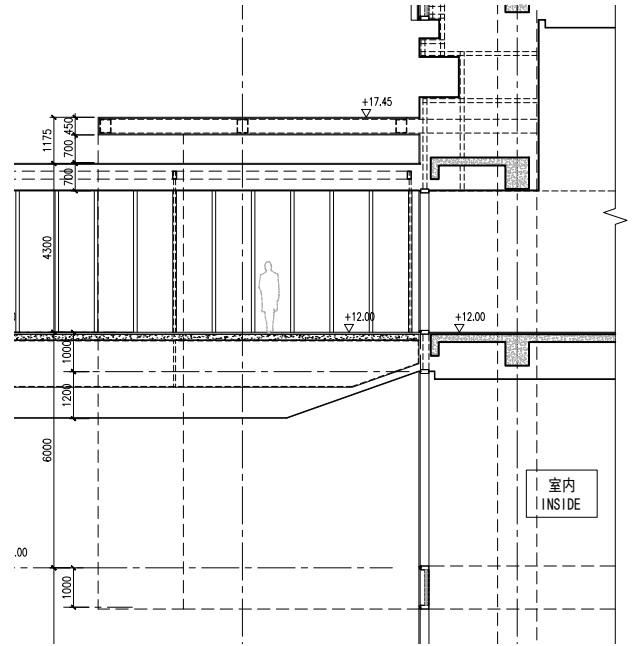
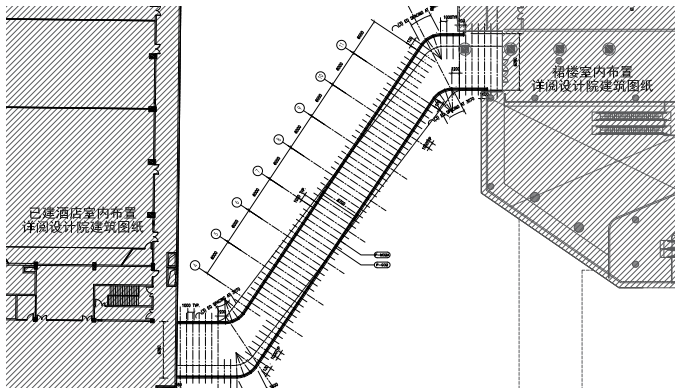
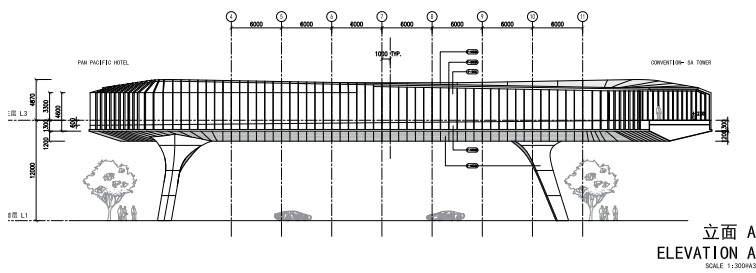


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Interior Design:
 1.Convention hall Prefunction Space
 2.Convention Lobby Interior perspective view
 3.Tower 1 Office Lobby Interior perspective view
 1b.Convention Lobby plan
 3.Screen: 60units 3mm folded steel sheet gradually twisting from 0 (close) to 90 (open) degrees (sketch, Grasshopper definition) .



Pedestrian Bridge connecting Convention hall with hotel:

1. Street perspective view
2. plan, roofplan, column rcp, section bridge-podium connection
3. Facade and grasshopper screenshot

Convention Center

competition entry | 2019
professional work | RMJM
+100,000sm

Design an international conference centre that has complete capabilities to host high-end conference events – primarily, high-level international political functions, as well as events and business meetings between world and national Fortune 500 companies.

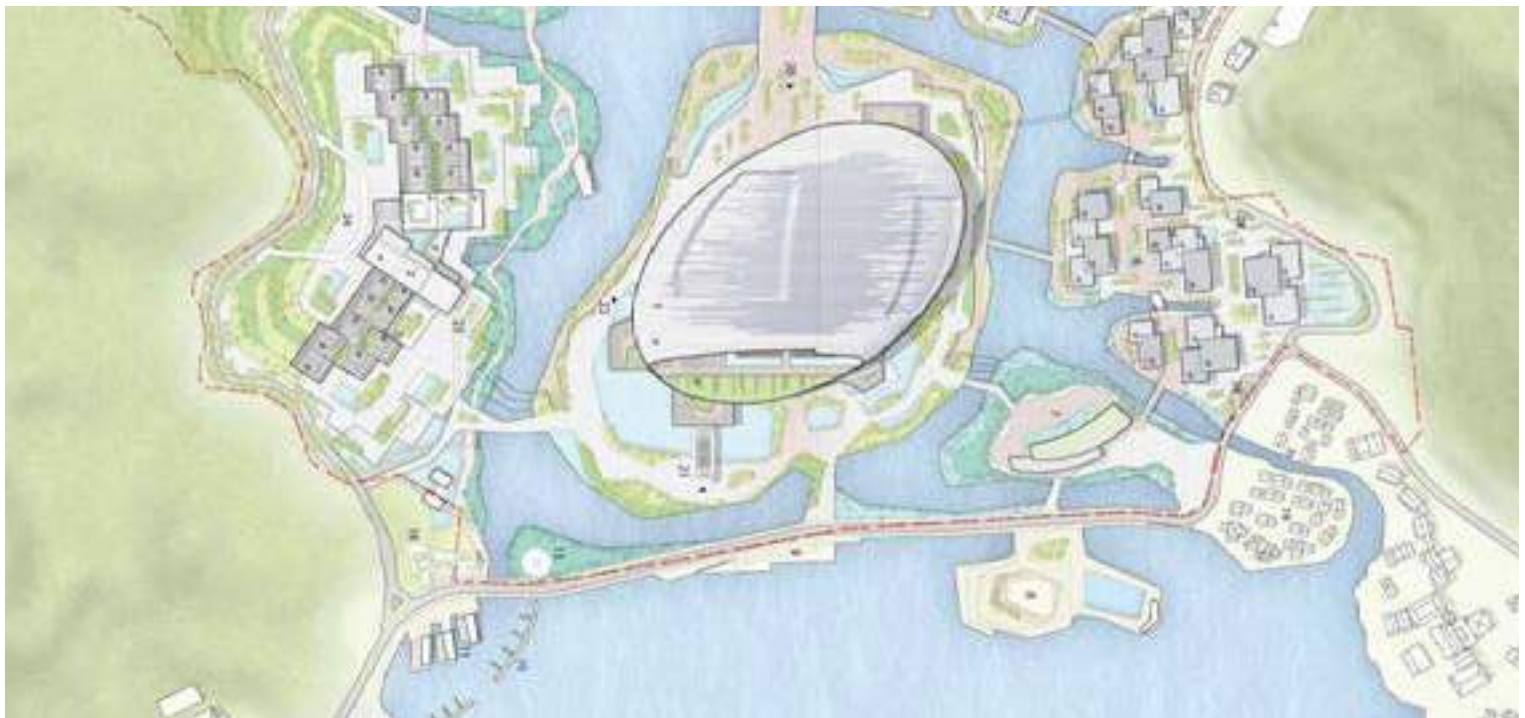
The Conference Centre building height is 36m, plan shape as an oval and the longitude dimension is around 350m, short direction dimension is around 230m.

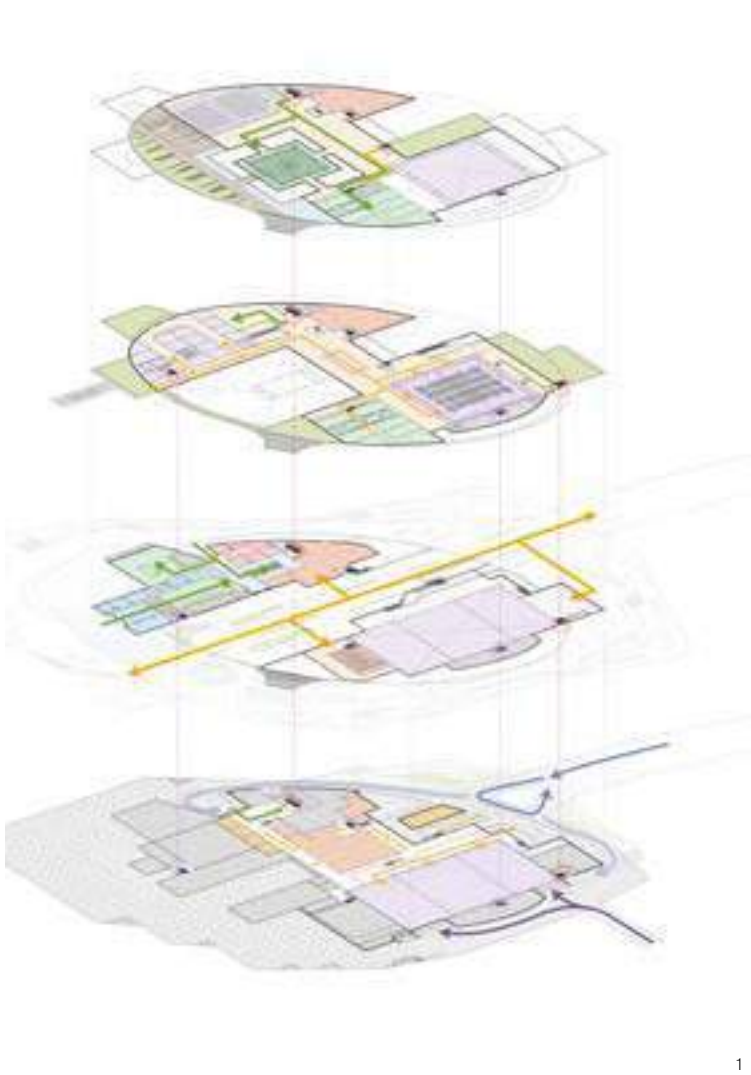
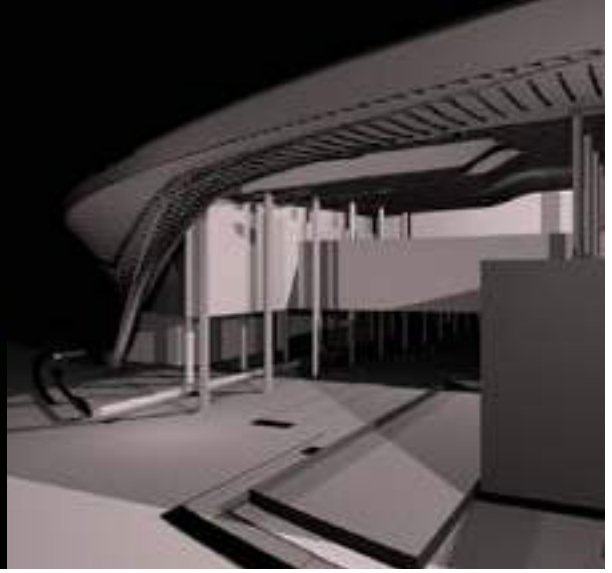
Located in front of scenic lake the team approach was to create an intentionally opposite response to the traditional architectural style proposing an unique volume that concentrates all the convention program under one roof.

Concept, Competition strategy, Convention Centers Research, Leading 3d model in charge of 3d model for the main volume , facade and roof Design
Architectural Diagrams, competition presentation

Video animation. [Video link](#)

Main Software: Cad, Rhino, Grasshopper, Photoshop





1



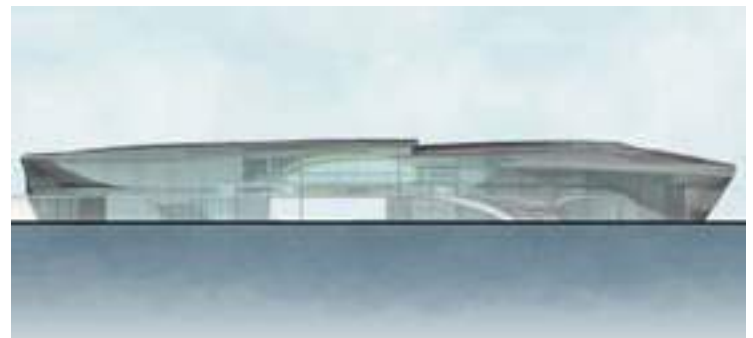
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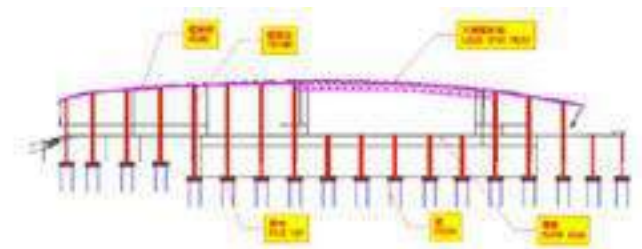
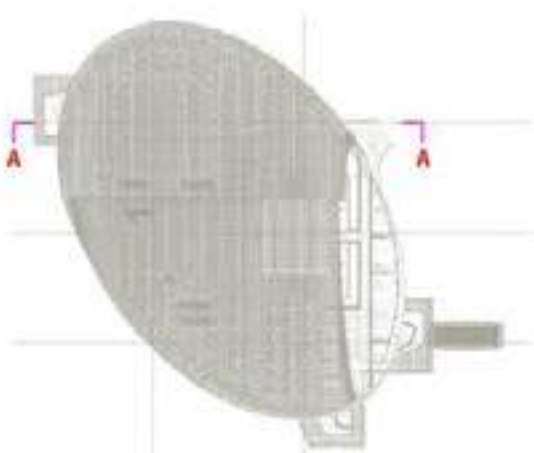
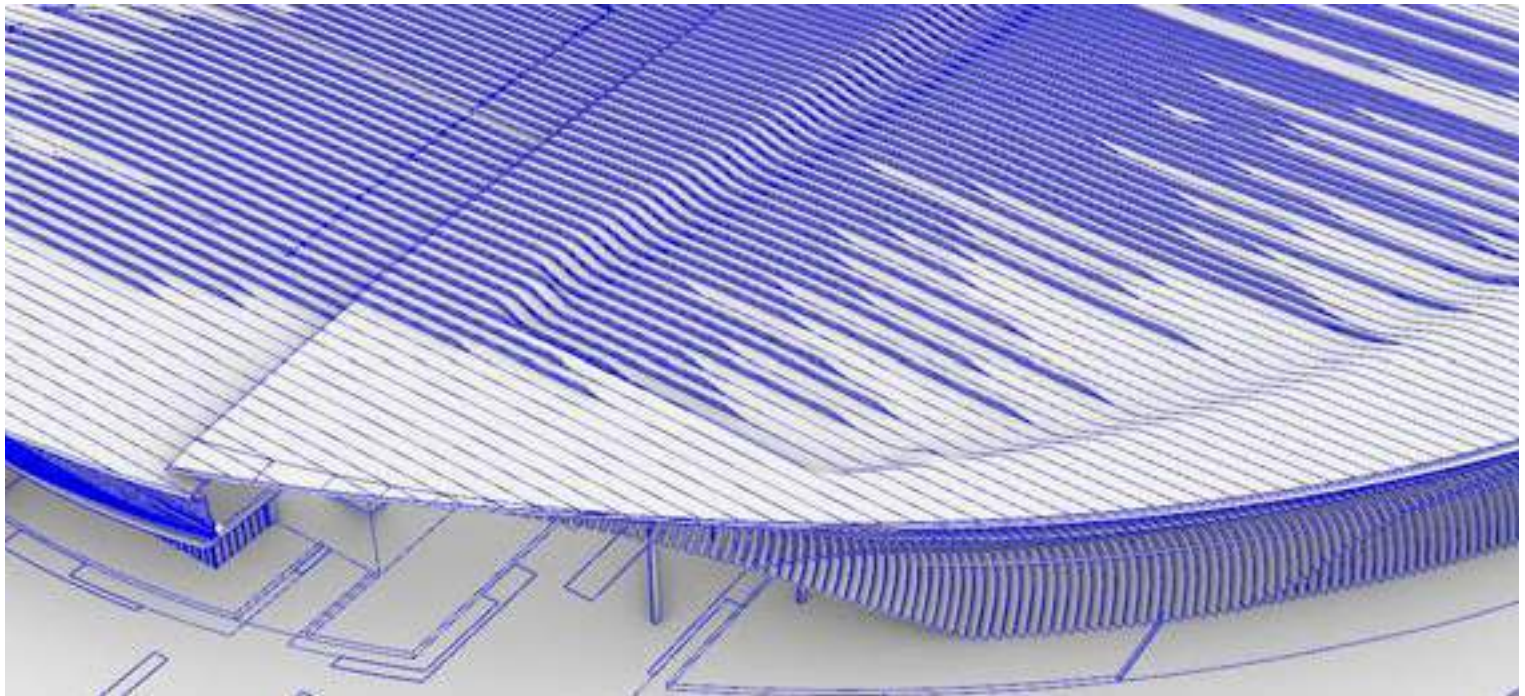
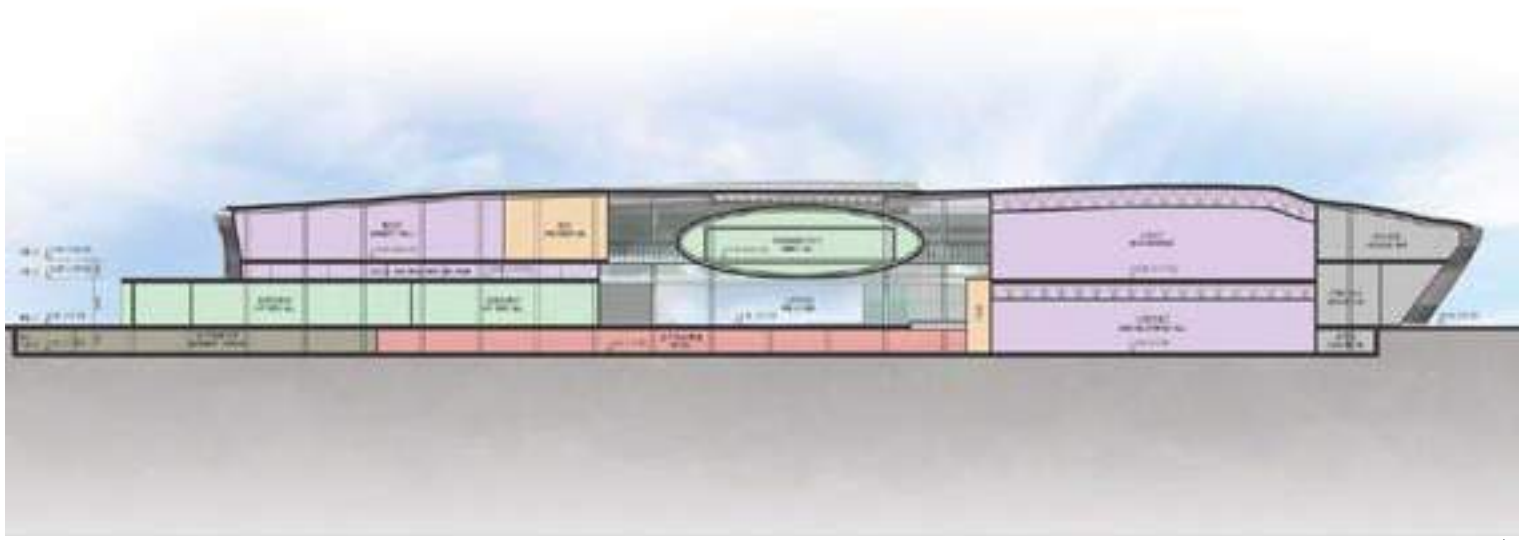


4



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1. Roof pattern represent water ripples while creating skylights opening
 2. Level-3 convention center
 3. Circulation diagrams
 4. Note the gold oval, where most important meetings will take place
 5. Complex geometry provide to be a tough challenge during 3d modeling
- [Video link](#)



1. Section
2. Detail of the 3d model roof, where skylights rise at different height resampling water ripples
3. The proposed structural system is a dual lateral resistance system: a) a reinforced structural shear wall in the floor plan, b) a concrete column and beams moment-resisting framing system on a typical grid column 15x15. columns/ shear walls will extend to roof to support it. The space truss will be provided for the super large space, such as main hall and summit conference hall locations



THE CONCEPT

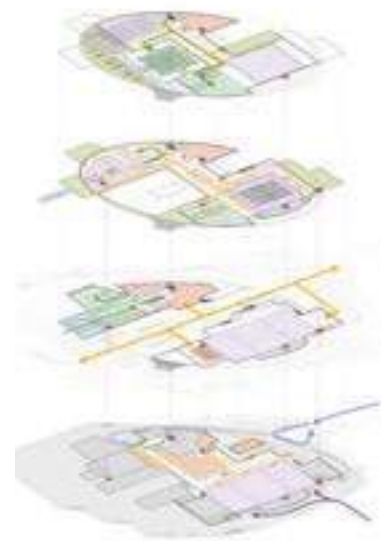
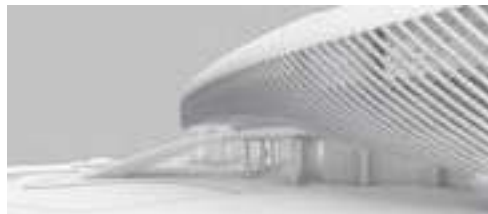
- Background

The location of the conference center is Dongqian Lake, southeast of Ningbo City.

- Brief

The brief is to design a conference centre 'of the highest international standard, that has complete capabilities to host, high-level international political functions as well as high-end conference events. Plus 5* hotel and cultural hub.

- My role
case study research and presentation, concept ideation and massing design of several ideas, responsible for the final 3d model of convention center part, landscape section, convention center elevations and explanatory diagrams.



PLAY VIDEO 

Waterfront Masterplan

competition entry | Best Collaboration Project | 2018
professional work | RMJM HongKong-Istanbul
80,000 sm

A Masterplan proposal for Qingdao coastline.

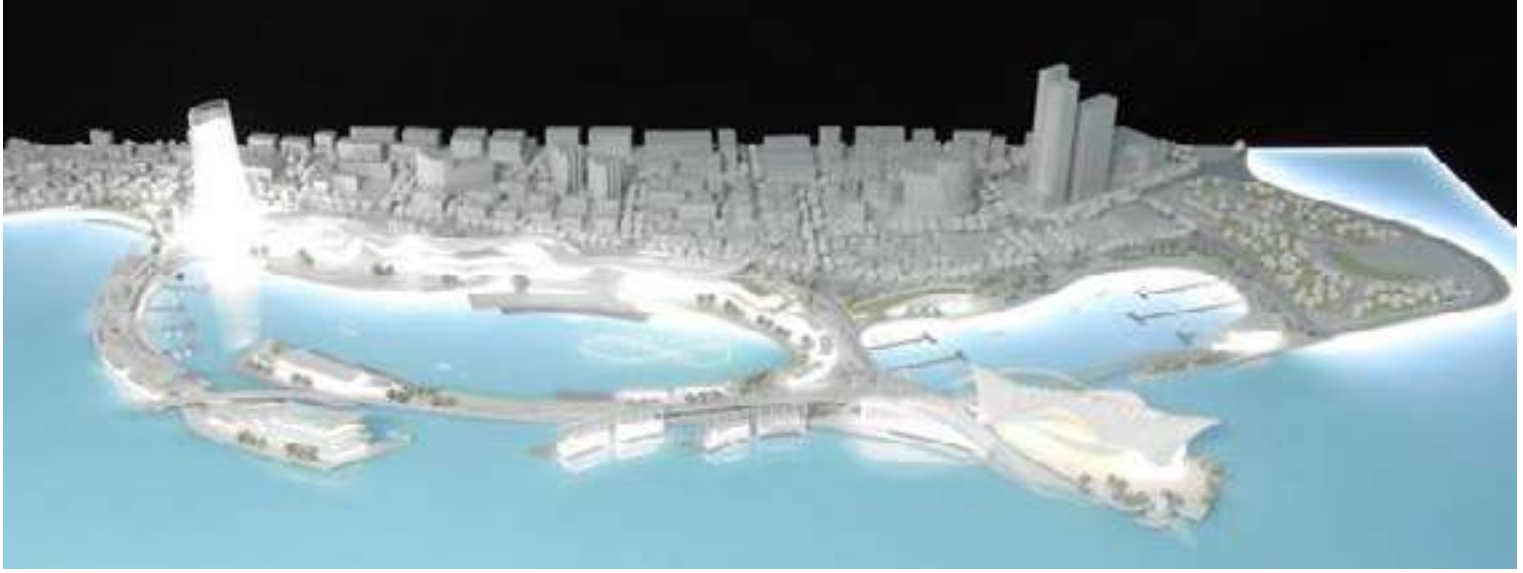
The invited competition brief ask to revitalize the coastline providing an attractive urban waterfront landscaped park that integrates the element of the sea with the city urban fabric.

This project will enhance the value the whole southern district of Qingdao City .

Lead Design of waterfront theater, retail and the tower.
produce 3d models, elevation drawings and conceptual diagrams.
coordination with Istanbul studio for animation
[Video link](#)







THE CONCEPT

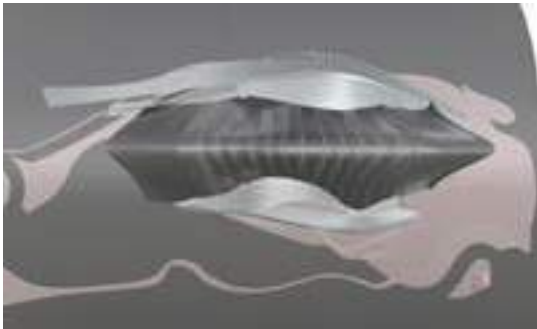


Drawing inspiration from the city's spirit of openness as well as the richness of its natural surroundings, RMJM's proposal was to transform the area into a vibrant centre that combines Qingdao's uniqueness with a global outlook to create an international landmark.

The team proposed to extend the Bradaxia Park and integrate the element of the sea, a fundamental part of Qingdao's urban fabric, to create a waterpark enveloped by a sui generis loop of activity nodes, including cultural and commercial destinations. The loop creates a spectrum of unique spaces and experiences, from the peace of the protected bay to the inspiring open sea.



The cultural plaza to the south looks onto the protected bay and to the open sea beyond. Indeed, one of the clear highlights of this development has it embraces the sea by allowing visitors to engage with the water as never experienced before in Qingdao. [PLAY VIDEO](#)



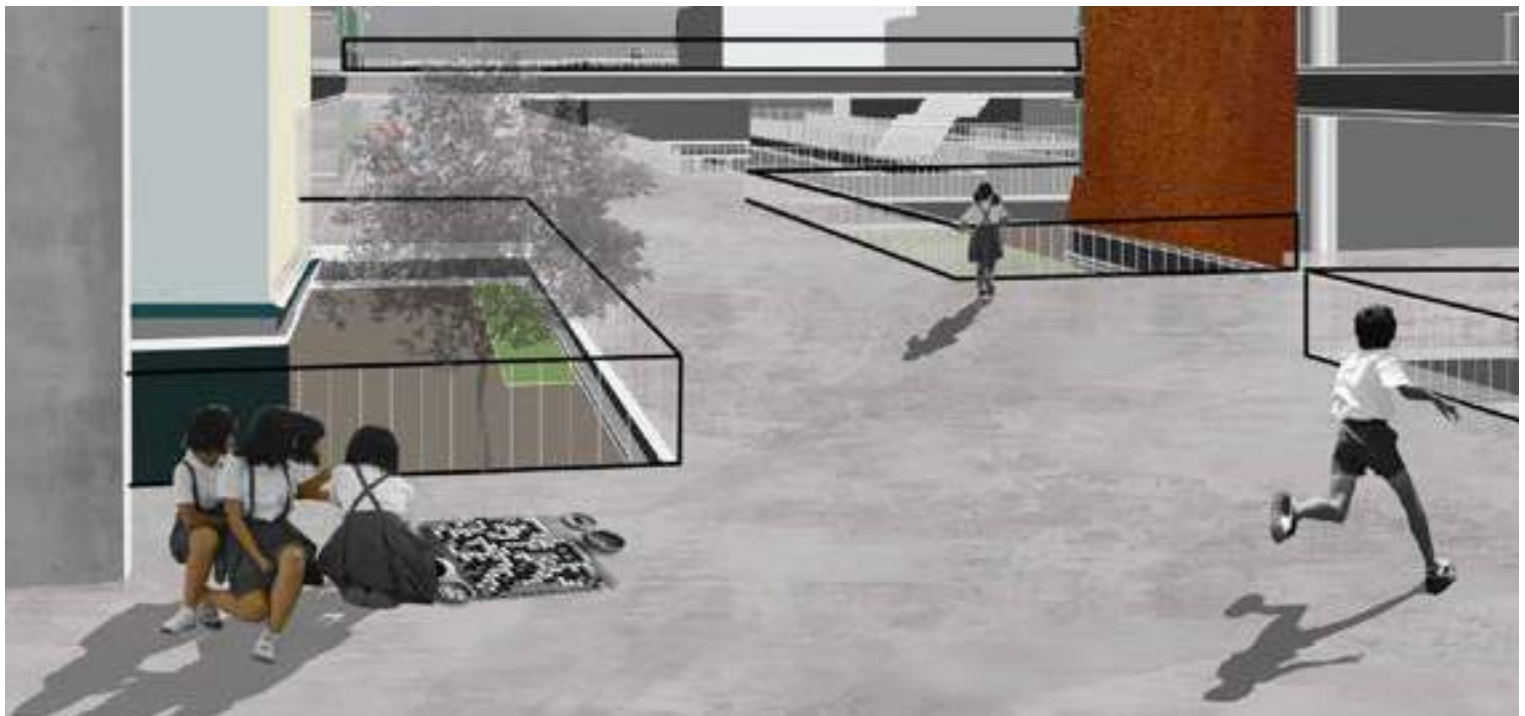


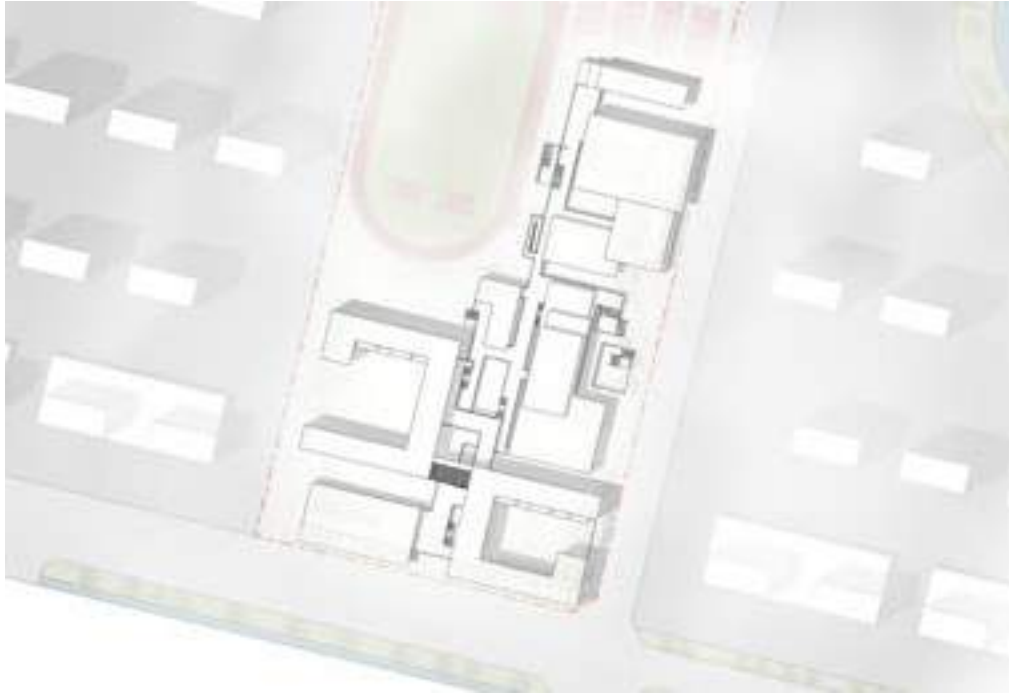
Elementary School

direct commission | first place | 2018
professional work | RMJM
45,000 sm

The government of Ningbo asked for a modern elementary school of 50,000 sq. The client ask for plenty of open space, classroom, special activity spaces and overall a space where children can interact and grow. The main concept is to think the school as a city where a series of configured spaces are aligned along a "street" connecting functional space with more informal and flexible spaces.

Research, Concept, Schematic Design, Interior Design, Visualization.
Design and visualization by Architectural collages.
Main Software: Cad, Rhino, Photoshop





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I delivered a very detailed case study supported by research on elementary school, exploring fundamental concepts from Netherlands and Japan schools. I helped with the detailing of the concept for the four option and create many collages to describe the atmosphere and quality of the school area. 2-4 Plenty of third spaces to foster connectivity and creativity by being left unprogrammed and adaptable. Courtyards are conceived as a way of extending teaching space outdoors and providing places for relaxing and socializing in different ways.

SCHOOL AS A CITY



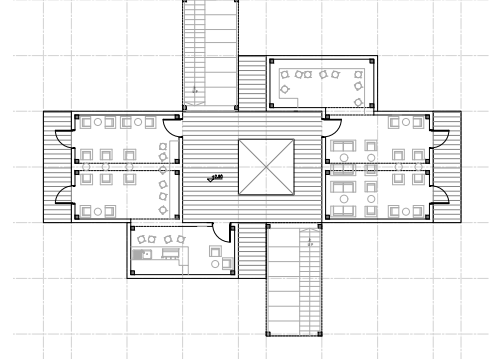
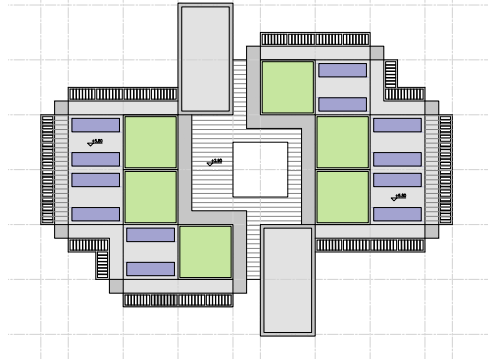
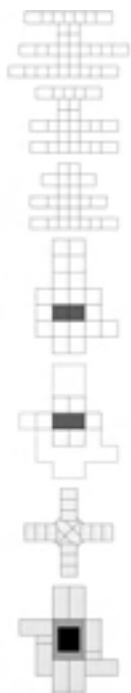
Tree Coffe Shop

professional work | 2018
RMJM Awards Best Small Project entry
100 sm

This structure is required to be easily relocated and replicated in other context. It also act as a pavilion to showcase prefabricated design and passive architecture solutions.

Concept, Plan, Design, and Visualization.
Main Software: Cad, Rhino, Photoshop





The concept for this little Coffee shop was driven by the idea of having a simple yet joyous structure, like a tree house made for children to play in the garden. Vernacular raised dwellings observed during my year following EM EU program inspired to raise the volume: the cafe is elevated taking advantage of better views and winds while creating a covered area of 130 sq for passerby to have shelter, use restroom facilities and park their bikes. I have delivered concept, 3d model, basic layout and passive strategies.

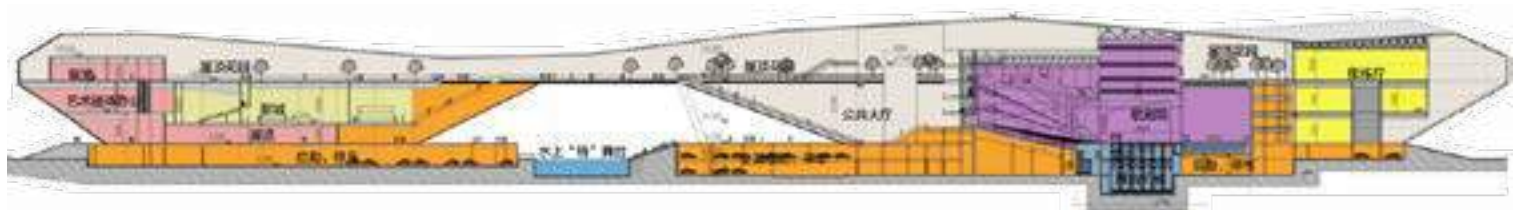
Arts Center Competition

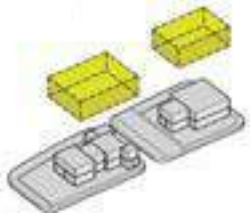
Professional work | 2014
Small Large Architecture, Shanghai
101,500 sm

The competition for Fuzhou Cultural & Art Center was a great opportunity to explore the design for an outstanding space. As required by the competition guidelines the space should include: theater, auditorium, exhibition, cinemas and a commercial part. The huge space was thought as a whole connected art city. The connection between each function ideally suggests the roots of a banyan tree, the symbol of the city.

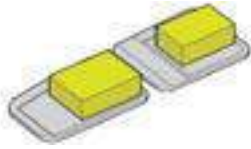
Concept, Schematic Design, 3d modelling, Diagrams.
Facade Design.
Main Software: Cad, Rhino, Photoshop, Illustrator, Indesign



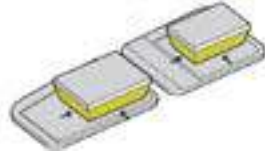




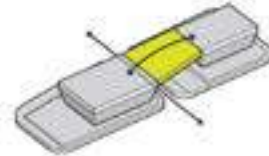
a.



b.



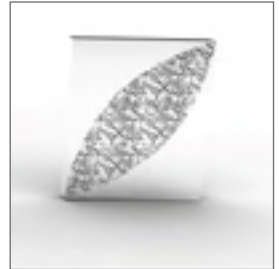
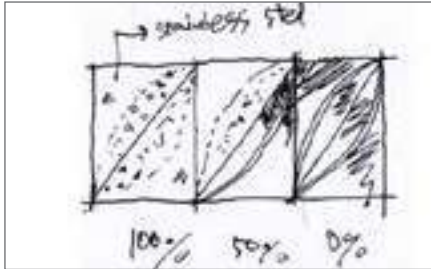
c.



d.



e.



The amazing public plaza hosts an outdoor theater reflected in the waters that streams into the main river. It also resolves the connection of the two volumes. The banyan roots are represented by the cylindrical lifts that provide also structural help for the indoor gardens and bridge.

Headquartes Offices

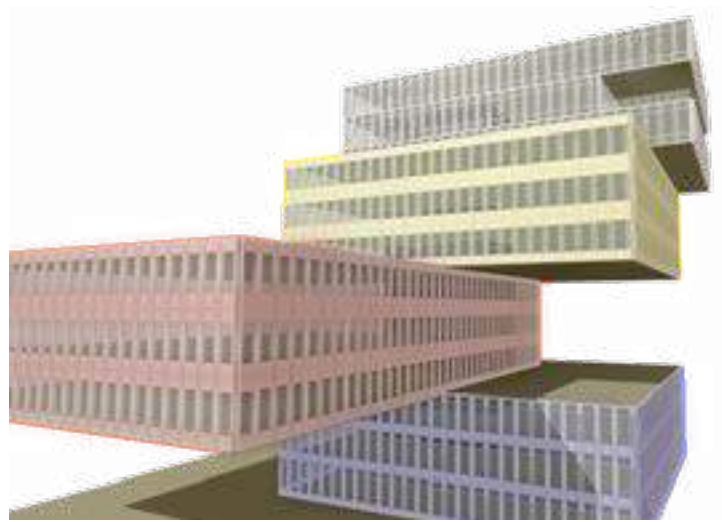
competition entry | mention | 2013
professional work | SLA
30,000 sm

The building blocks are rotated in a way that they benefit from excellent views to the river and to Pudong. Headquarters, offices and commercial podium form one volume but are clearly separated by the color, rotation and extrusion direction of opening fins.





1



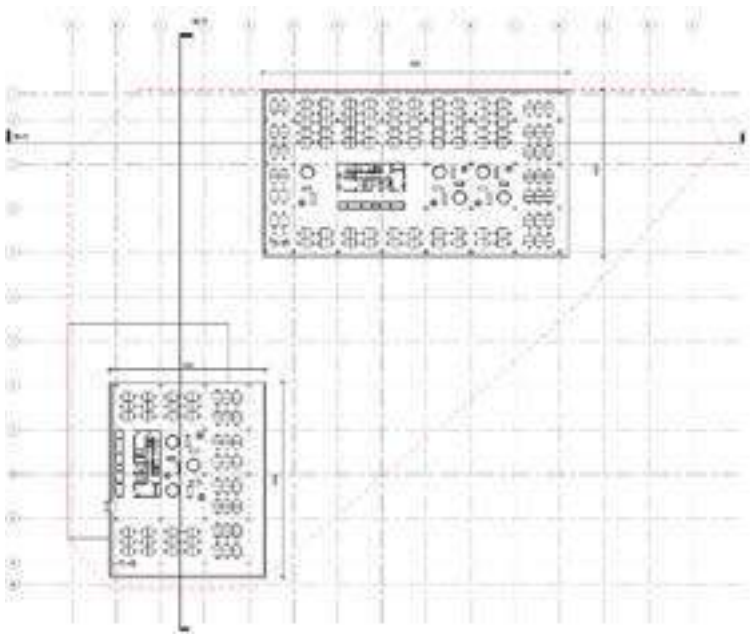
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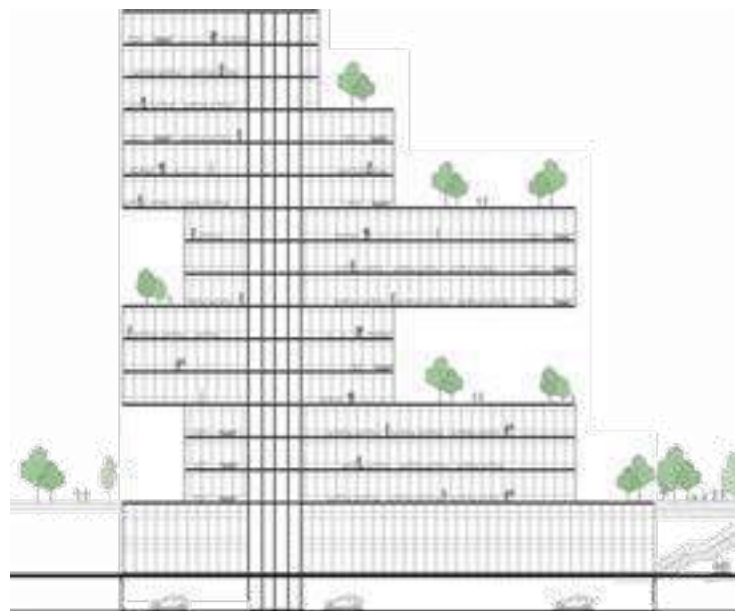
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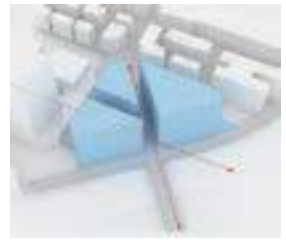


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1. Site height study
2. Concept diagram rotating and extruding floor plans welcomes green terraces to enjoy the amazing river view.
3. Roof plan
4. Render view
5. Different blocks create various sizes of floor plans to fit a wide variety of program
6. Section



Bamboo Emergency Shelters

academic work | 2011
University of Gadjah Mada, Yogyakarta
1,500 sm

Researcher_Under supervision of mentor Arch.Prof.Pradipto of Gadjah Mada University I did on site visits and material studies for this emergency project.

Concept, Plan, Design, and Visualization.
Main Software: Cad, Rhino, Photoshop

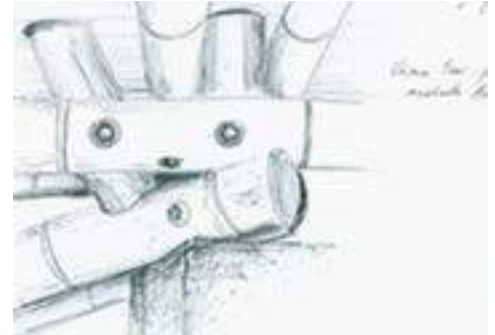




In late 2010 Volcano Merapi eruption in Jogjakarta, in central Java destroyed several villages. During this time I was assisting Head Architect Pradipto which was supervising my research on Bamboo construction at Gadjah Mada University.



1



3



4

20 houses on stilts, each measuring 4x6 meters, occupying an area of 1500 sq.cost was equivalent to \$15,000 and were completed in just 6 weeks Bamboo and this become the main building material for the project. Cheap, abundant and familiar to local. I assisted and visited the site during the time of the emergency. Bamboo is used in almost every part of the dwelling, except for bolt joint, metallic roof and pole connection to ground. 1 axonometric view of the module components: bamboo poles are hold in the muddy soil with concrete pipes filled with gravel. All other parts with exception to the metallic roof use bamboo.

Bending Unit

personal project | 2017

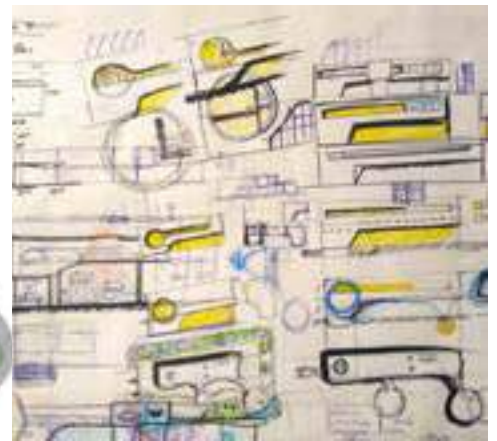
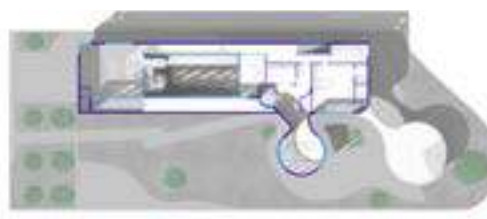
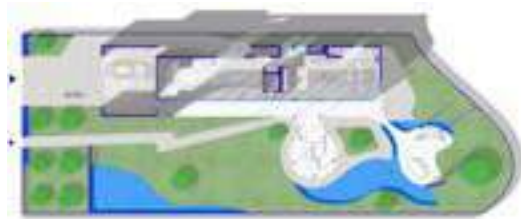
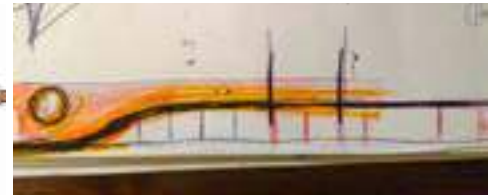
The most important Art Institute of whole Indonesia is located in Yogyakarta and attracts students from whole world. The accessible prices of living and proliferation of art, performances and cultural events generates a remarkable activity and numerous exhibitions are hold at the same time. The open, artistic and young crowd is hungry for spaces that can hold several functions: gathering, exhibiting, presenting event and meeting curators and collectors.

The Bending Unit provides the city with this new typology. Meeting the needs of the artists isn't the only goal. By modifying the traditional rectangular building typology into a more organic one the landscape is included, blurring the idea of interior and exterior.

The city is crossed by long and almost rectangular north-south arteries. The high presence of rice fields interlaced with endless rectangular roads create a patchwork of long and narrow plots. In this unique landscape, buildings seem to float in the middle of a flat sea of rice fields.

Concept, Schematic Design, Diagrams and Visualization.
Main Software: Cad, Rhino, Vray, Illustrator, Photoshop



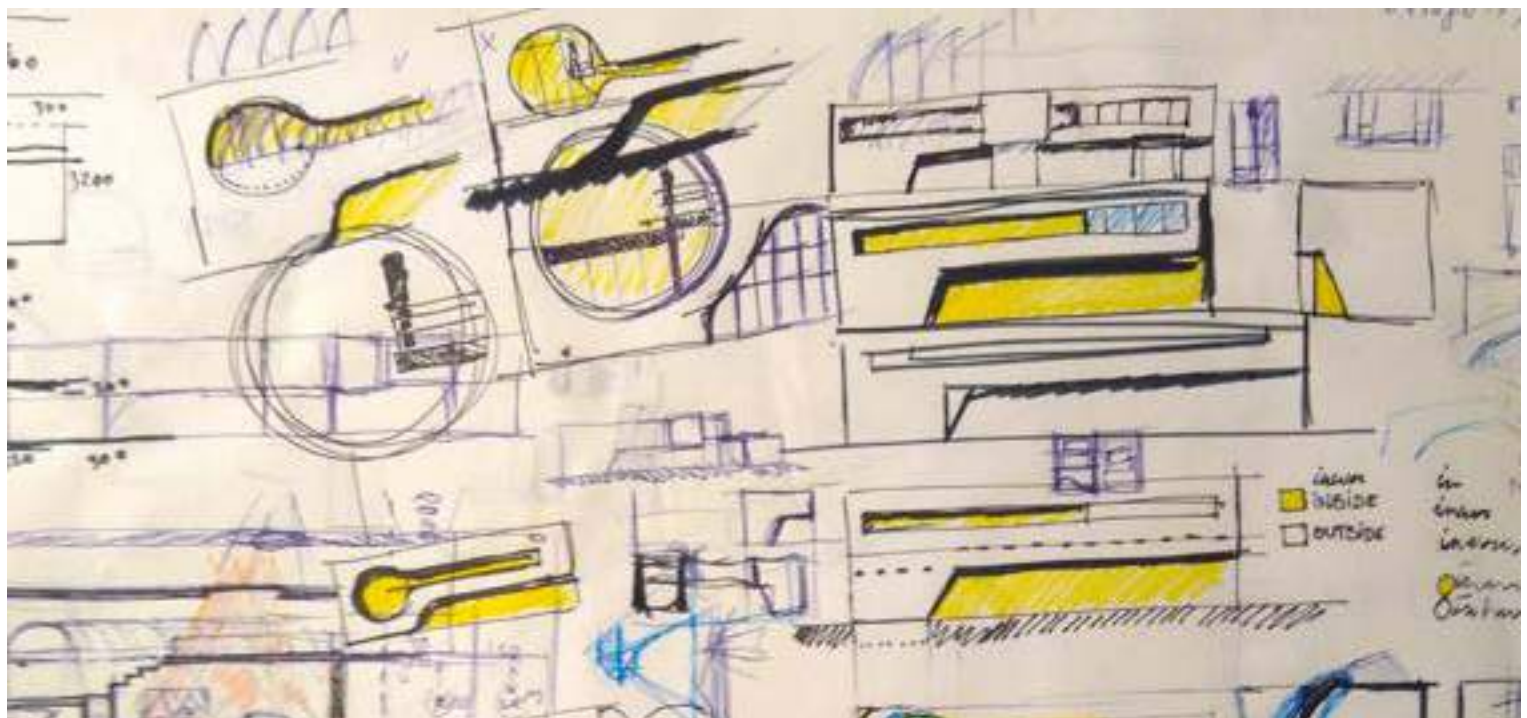


Japanese House

Personal Project | 2016
Concept study
300 sm

Concept study for a private house.

Study modern style architecture, combine with traditional elements of japanese architecture and philosophy.

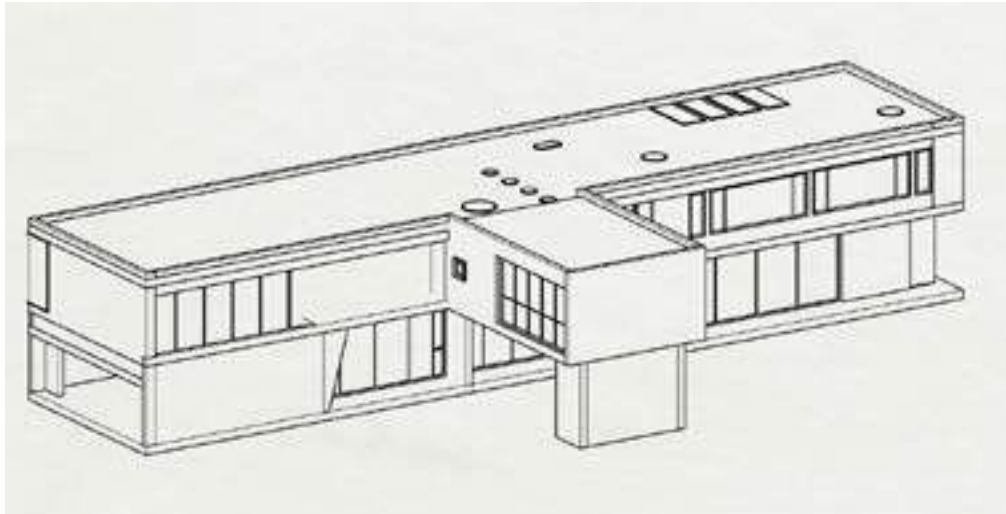




personal project | 2020
Tokyo, Japan
200sm



1



2



4a-b



3

1. Section
2. Frontal Axionmetric view
3. Street Elevation
- 4a-b. Site plan & Interior Studio handsketch

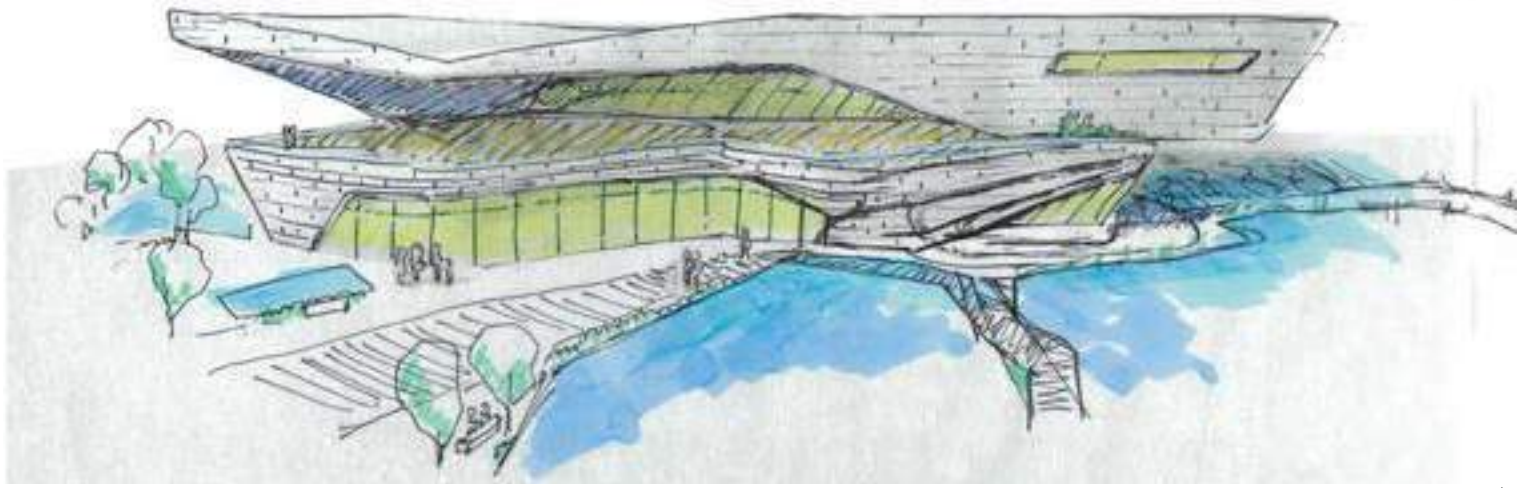
Cultural Center

professional work | 2021
RMJM
15,000 sm

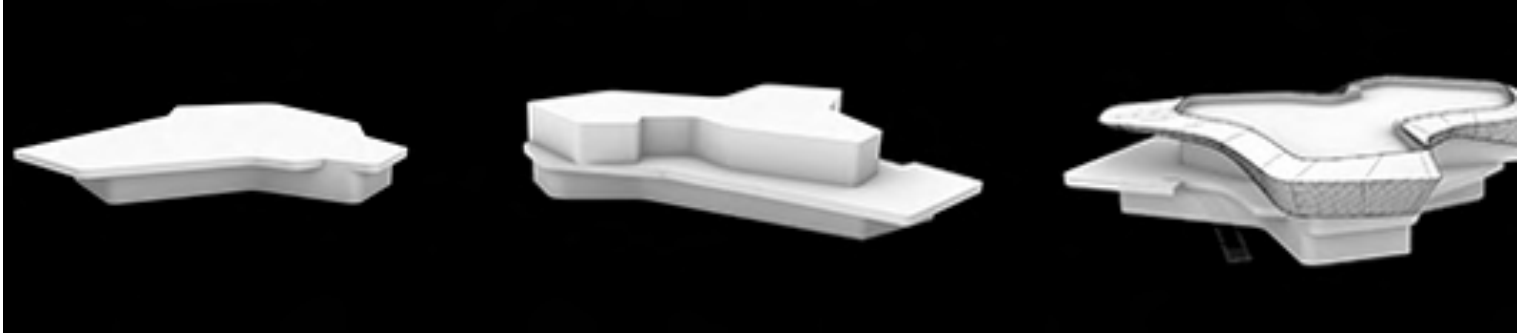
This structure is required to be easily relocated and replicated in other context. It also act as a pavilion to showcase prefabricated design and passive architecture solutions.

Concept, Plan, Design, and Visualization.
Main Software: Cad, Rhino, Photoshop

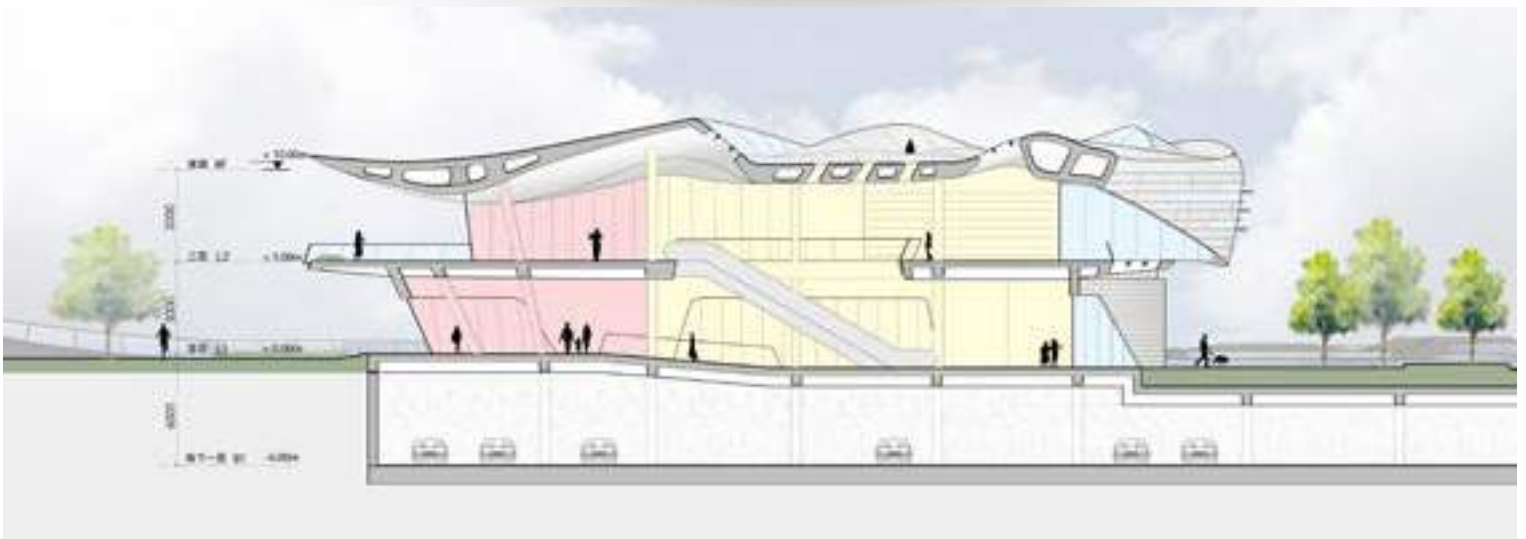




1



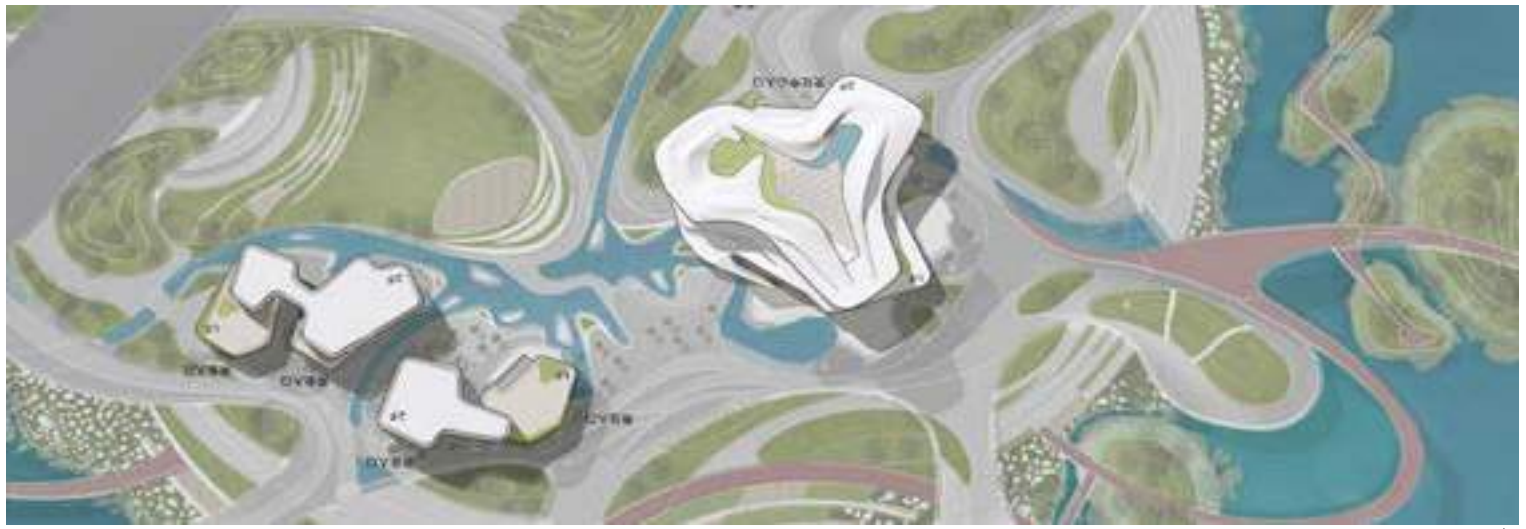
2



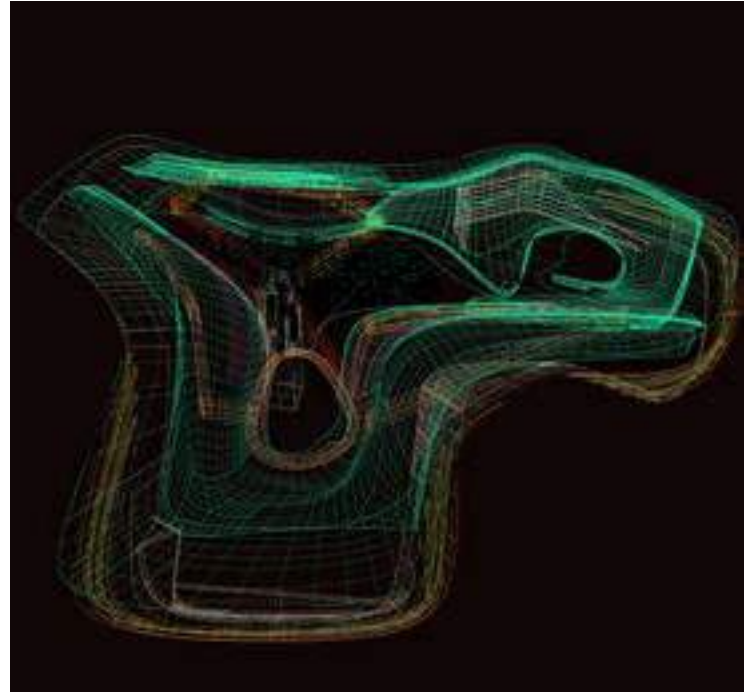
3

The concept for this little Coffee shop was driven by the idea of having a simple yet joyous structure, like a tree house made for children to play in the garden. The cafe is elevated taking advantage of better views and winds while creating a covered area of 130 sq for passerby to have shelter, use restroom facilities and park their bikes. I have delivered concept, 3d model, basic layout and passive strategies.

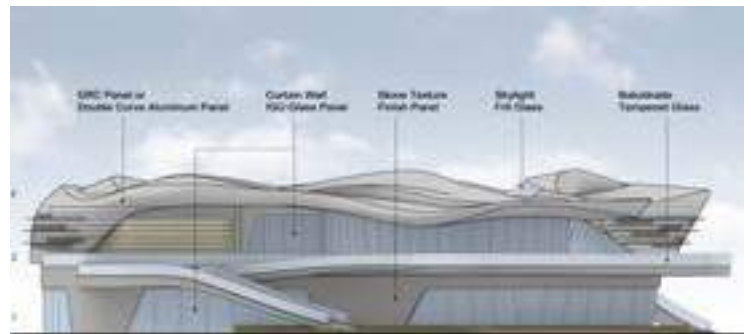
1. Concept Sketch
2. Massing concept
3. Section



1



2



3

The concept for this little Coffee shop was driven by the idea of having a simple yet joyous structure, like a tree house made for children to play in the garden. The cafe is elevated taking advantage of better views and winds while creating a covered area of 130 sq for passerby to have shelter, use restroom facilities and park their bikes. I have delivered concept, 3d model, basic layout and passive strategies.

1. Concept Sketch
2. Massing concept
3. Section



Modular facilities

professional work | 2018
team member of: RMJM, HK.

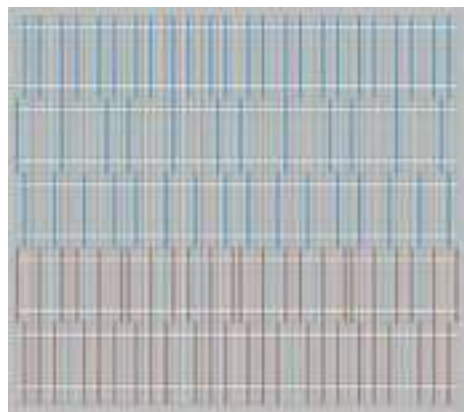
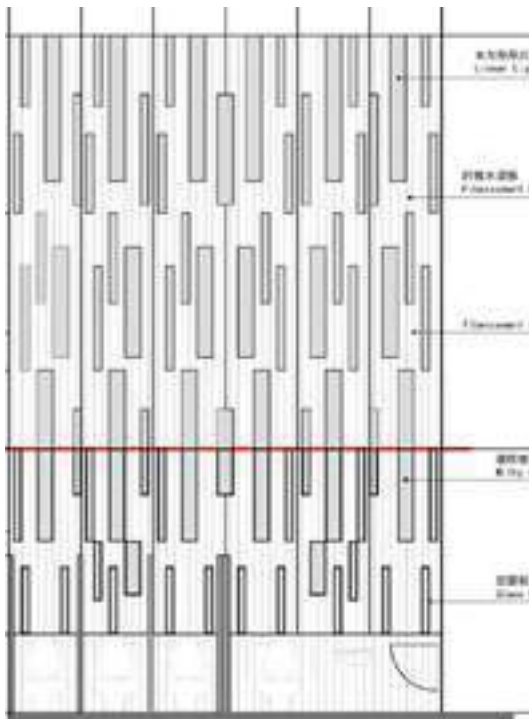
Background -

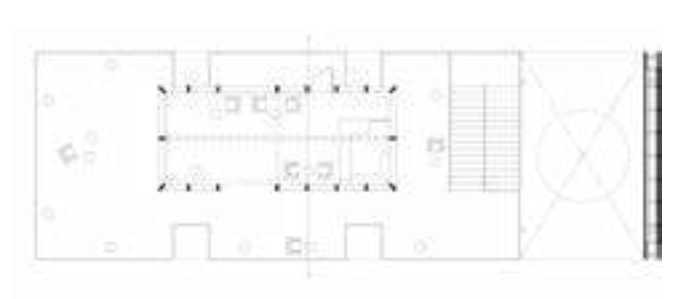
Public services with annex a cafe in
Ningbo East New Town Park.

My Role-

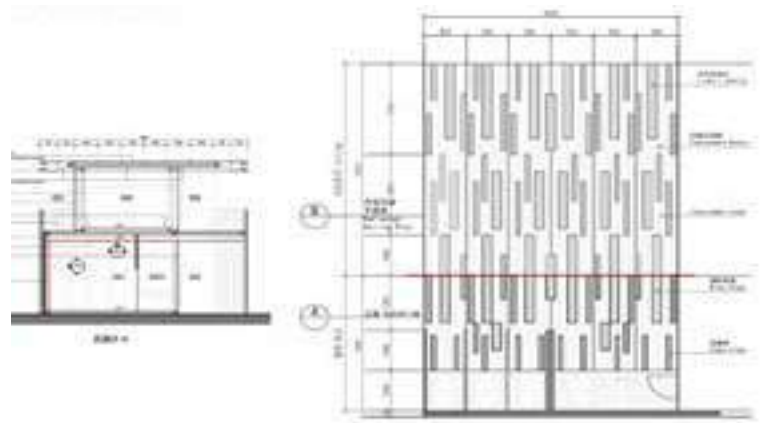
I provided construction drawings for
the facade, with a Grasshopper script
I create a curtain that resemble bam-
boo canes and waterfall drips.

The facade is composed by terracotta
pieces about 5cm large and 100cm in
length and comes in four different colors.
to facilitate the construction. The various
screens provide shelter, privacy, allowing
natural ventilation and daylight.

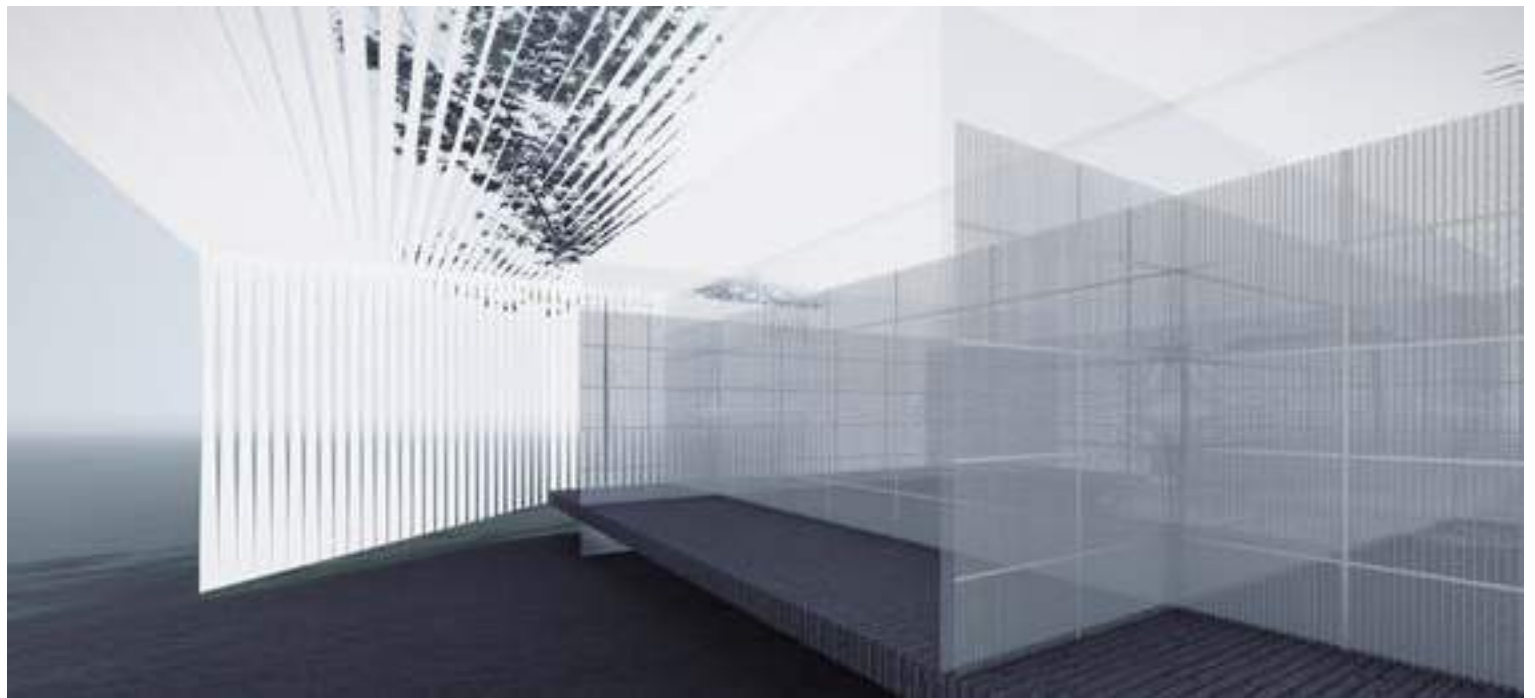




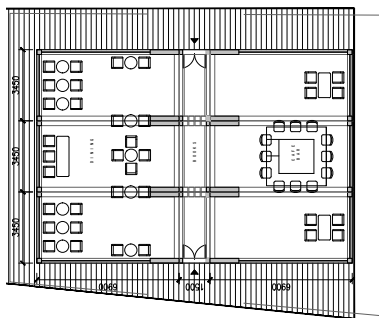
3a



3b



4



5a



5b

3a-b. Public services with annex activity room on second floor.
 4. Modular structure concept image
 5a-b. Dining modular structure. Ground floor plan and 3d views.

Club House

direct commission | 2020
professional work | RMJM
1,500sm

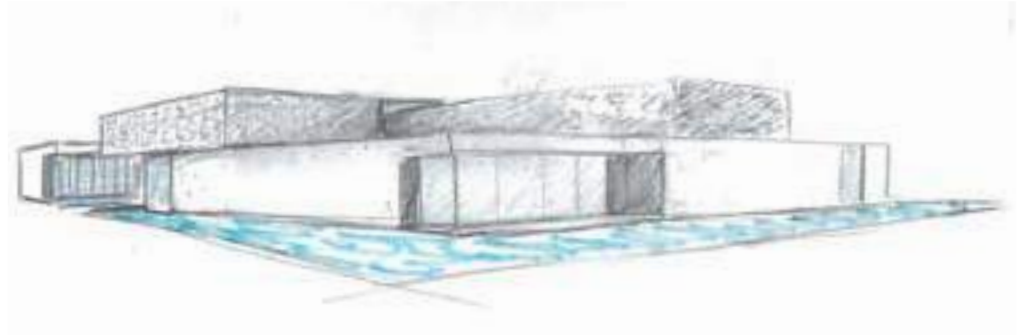
The club house is part of bigger project that the firm win in 2020. Is part of the R&D center of Chinese company Deli. Next to the center on portion of site is reserved to the clubhouse where meetings with important clients can take place. The building is used also for companies representative and government official in visits to the headquarters and nearby factory. The second floor host 7 rooms and 4 suites for the visitors to stay overnight. I was in charge of all design of clubhouse.

Lead Concept Design for Clubhouse
Lead Interior design for Exhibition part
3d models, drawings, animation and renders for Clubhouse





1



2



3



4



5

1. Perspective view from Courtyard
2. Concept Handsketch
3. Perspective view from street
4. Clubhouse plan
5. Clubhouse North and South elevations



Ningbo Mixed-Use

professional work | Competition | 2018
RMJM, HK. | First Place

-Background

Drawing inspiration from the city's rivers the team proposed to enclose the complex with a dynamic circulation path that connects residential with office towers, integrating along the circulation routes hanging gardens and terraces.

-Brief

Design 80,000 sq (AG) mixed-use development that combines incubator offices, residential towers, retails, green spaces and gardens.

-My Role

At this time I was involved in two projects. I prepared all elevation drawings and also in Layout post production. This proposal has been awarded first place in Dec 2020 by the competition jury.



Ningbo along rivers



volume breakdown

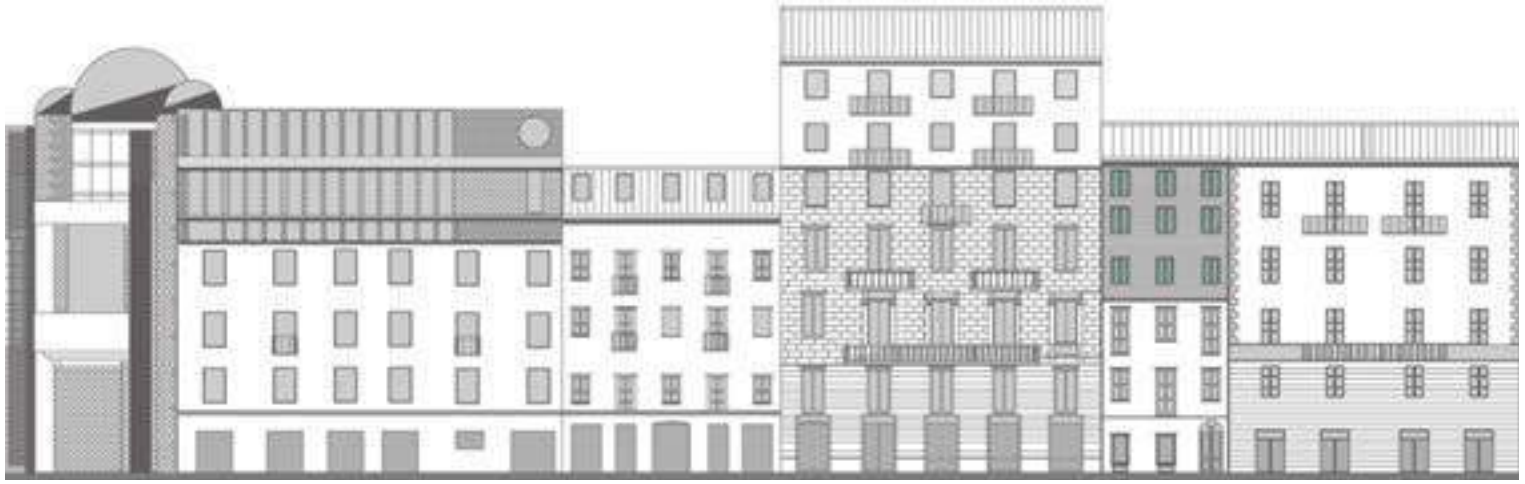


Typical Office layout



Sunken plaza





3-Store extension

academic work | Architecture - Technology Lab | 2010
 mentor: Prof. Gianfranco Cavaglia

Background

This was a simulation of a real project in Italy during 6 months as part of the final examination in Politecnico.

-Brief

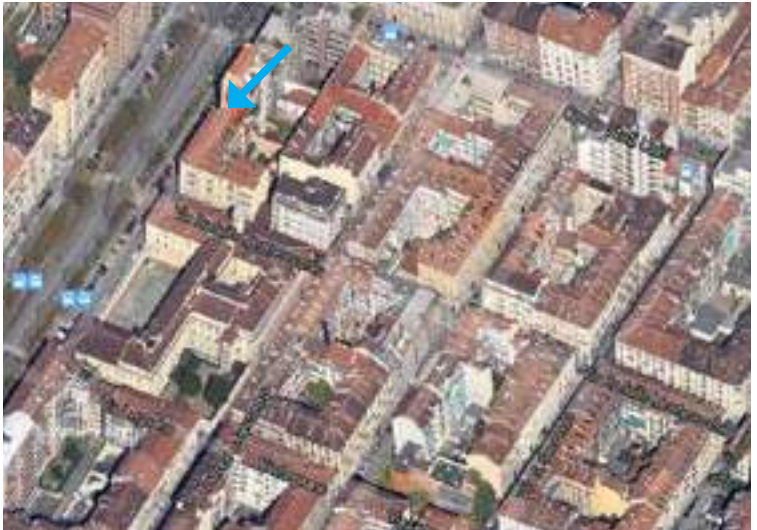
Design the extension of three new floors above the three existing levels of a narrow building in the center of Turin. The main constraints of the project are: width and depth of sleeve (8m x 13m); obligation to retain the facade facing the street; elevation of the building up to the eaves of the adjacent building (≈ 20 m).

-My Role

The east facade, facing the street has a brick cladding, satisfying the energy requirements and connecting the new extension to the context, as well as the nearby Porte Palatine, a superb conserved ancient Roman gate. In the west facade were added balconies to enjoy the relaxed atmosphere of the private courtyard.



Details of the east facade on street and the connection between new brick cladding extension and old facade. The brickwork' facade is a reference to the nearby Palatine Gate, excellent preserved





Kenkada Kenya

Competition entry | 2017
educational project, Mombasa, Kenya.

Background -
Mombasa, Kenya. In an Area with
Swahili heritage mixed with a strong
presence of Arabic culture.

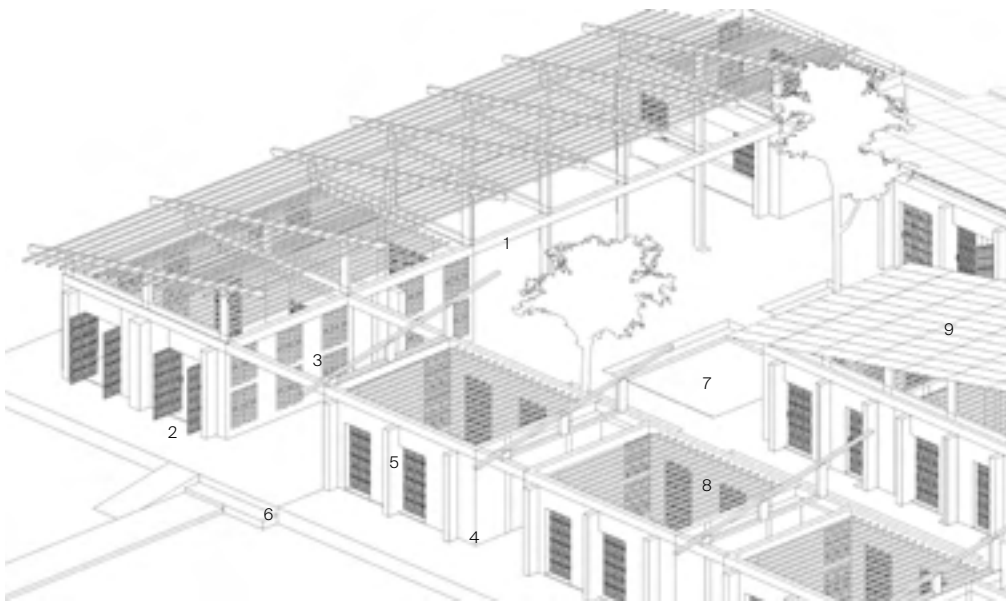
Brief -

Design a primary school for village kids.

My Role-

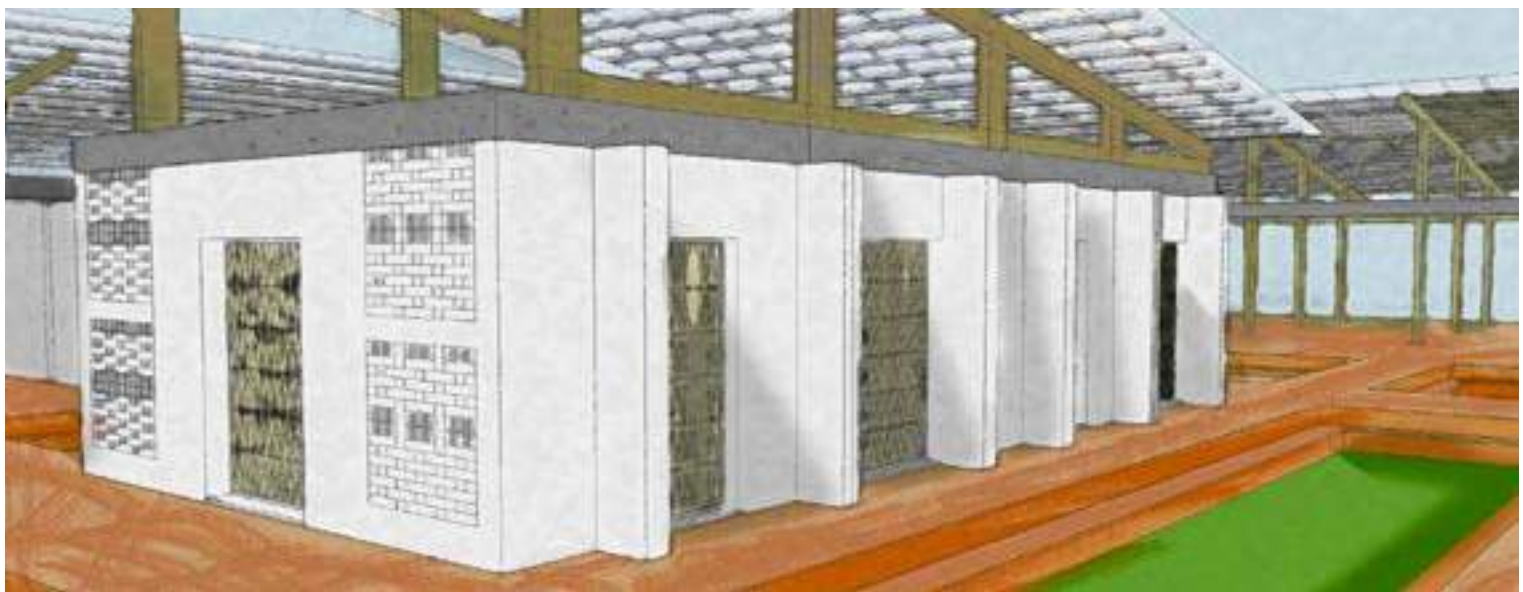
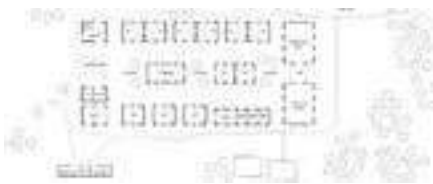
I analyzed the particular social and climate influences of this region and proposed a conscious design where I implemented environmental solutions borrowed from Vernacular Swahili and Islamic Architecture. Screens, courtyards, inward organization of the spaces, narrow passway, mutual shading are combined with overhangs, cross ventilation, ventilated attics, light reflective roofs and thick walls.

The historical local materials included are: palm fronds, mangrove poles and coral, which is easily available on east Africa coast and are used in the structural 440-550mm thick walls.



Construction details

- 1-ring beam - reinforced concrete
- 2-opening shutters - latched elements
- 3-permanent screen - white brickwork
- 4-supporting walls - coral rag 440mm
- 5-reinforcing elements - coral wall
- 6-raised terrace 500mm - clay & stone
- 7-garden
- 8-suspended ceiling - adobe seiling
- 9-shed roof - mangrove, metal sheet





S House

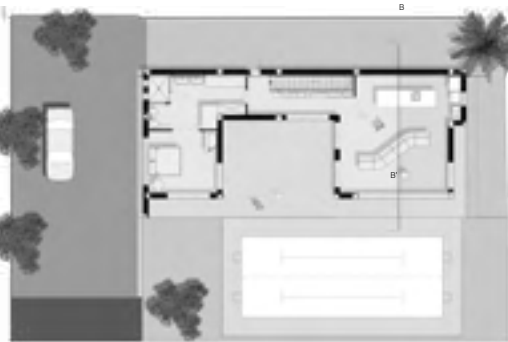
professional work | construction drawings | 2012
Monje & Asociados, Tenerife.

This elegant villa has been commissioned by a private client in the coastal area of Santa Cruz, in Tenerife Island. Located on top of an hill the villa has a magnificent view over the Atlantic. This factor determined the S shape of the volume.

The south facade, looking the Ocean is almost entirely glazed. The walls follow elegant lines creating solid white volumns, a typical architectural characteristic that is found among some of the historical modern architecture influenced district of the town.

The structure develops on two floor above ground and one spacious basement. The first floor east wing is a big public part, almost entirely develop as an open space connecting kitchen, living room with the patio and the swimming pool. Unnecessary walls are eliminated, keeping the space bright and open to the oceanic breezes.

A central corridor connects the public zone with both the west wing, where the client private rooms are and the upper floor where are two single rooms, two bathrooms and a small laundry.



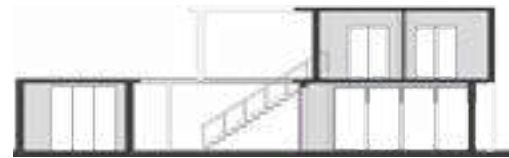
1st Floor



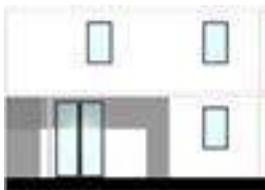
2nd Floor



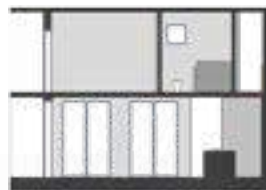
South elevation



Section AA'



East elevation



Section BB'





Organic Study

workshop | 2017
roof canopy.

Background-

Reverse engineering is a process that is used to learn effectively a software like Grasshopper .

In this case I recreate The Centre Pompidou in Metz by Shigeru Ban Architects. In plan a large 90 meters wide hexagon- that is reflected on the sinuous roof.

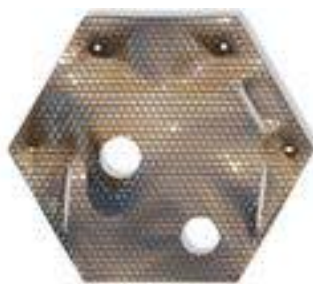
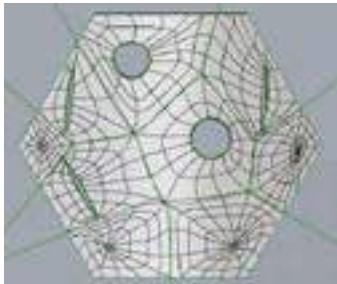
I used Rhinoceros and Grasshopper for finding the right pattern and for the beam woven structure.

The roof membrane was developed with Grasshopper and than modeled into details with the help of T Spline.

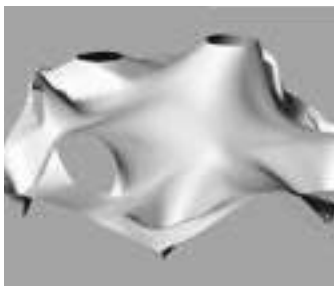
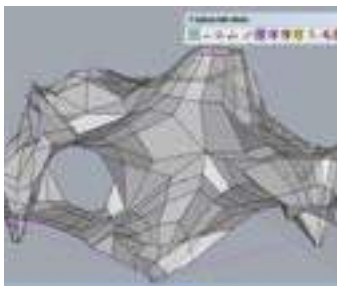
This exercise helped me widening my knowledge of Rhinoceros, Grasshopper and T-spline for complex organic shapes.



Roof generation



Folding



Weaving

